DACW-33-85-D-0011 Delivery Order 0008 Jonesport Harbor Navigation Improvements

FILE COPY

ATLANTIC TESTING LABORATORIES, LIMITED

al

Sustaining Member-N.Y.S. Society of Professional Engineers

Box 29 Canton, N.Y. 13617 (315) 386-4578

> Box 356 Cicero, N.Y. 13039 (315) 699-5281

January 10, 1986

Department of the Army New England Division, Corps of Engineers 424 Trapelo Road Waltham, MA 02254-9149

Attn: Mr. Richard D. Reardon

Re: Contract No. DACW33-85-D-0011

Delivery Order No. 0008

Jonesport Harbor Navigation Improvements

Jonesport, ME

Gentlemen:

In accordance with Delivery Order No. 0008, dated 12 November 1985, attached is one copy of our final engineering report detailing the subsurface investigation at Jonesport Harbor as referenced above.

By copy of this letter, we are also transmitting two copies of this report to the Chief of the Geotechnical Engineering Branch.

If you have any questions or comments, please do not hesitate to contact our office.

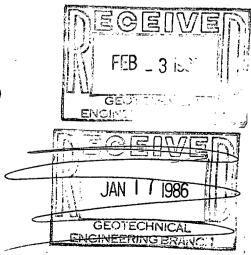
Respectfully submitted,

Spencer F. Thew, P.E./L.S.

President

SFT/smf

cc: Chief, Geotechnical Engineering Branch (2) encs.



SUBSURFACE INVESTIGATION JONESPORT HARBOR NAVIGATION IMPROVEMENTS JONESPORT, ME

CONTRACT DACW-33-85-D-0011 CONTRACTING OFFICER Edward D.Hammond, LTC, CE 28 June 85

> DELIVERY ORDER NO. 0008 November 12, 1985

PREPARED FOR: Department of the Army

New England Division, Corps of Engineers

424 Trapelo Road

Waltham, MA 02254-9149

PREPARED BY: Paul M. Fisher, P. E.

Atlantic Testing Laboratories, Limited

P. O. Box 29

Canton, NY 13617

ATL Project No. CD010-12-85

December 18, 1985

SECTION	1	Title Page
SECTION	.2	Table of Contents
SECTION	3	Scope of Investigation a. Delivery Order b. Project Site c. Purpose d. Scope of Work
SECTION	4	Quality Control a. General Certification Statement b. Records Taken c. Equipment Used d. Procedures
SECTION	5	Summary of Daily Activities and Telephone Logs Table I Summary of Activities Table II Summary of Telephone Conversations
SECTION	6	Chain of Custody Logs
SECTION	7	Safety Reports
SECTION	8	Field Inspector's Logs a. Figure 1 - General Project Map b. Figure 2 - Site Location Map c. Figure 3 - Probe Location Plan d. Probing Logs
SECTION	9	Other Records Taken

SCOPE OF INVESTIGATION

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BY NAME, MARK 1977
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CONTINUATION SHEET

REING OF DOC GCONTO Delivery Order No. 8008 To DACK33-85-D-0011

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3. 3	Mileage from/to Contractor's equipment storage site in Manchester, MH	43€	KI	-3 5	15 2.6
3.4	Survey crew and equipment	6	DAY	440.0 0	2,640.0
3.5	Overnight per dies for survey crew	5	DAY	90.00	450.0
3.6	Data Reduction and Plotting	1	FOE	100% of Line Item 3.4	2,640.0
3.7	Standby time	32	H R	5 5. 0 0	1,760.0
4.1	Sample Delivery	1	FOE	80.00	₹ 8 0.0
6.1	Mobilization and Demobilization	1	TOE	700.00	7∞.0
6.3	Mileage from/to Contractor's main equipment storage site located in Manchester, MH	43 6	10	1.15	501.1
6.5	Standby time/on site moves	32	EF.	75.00	2,400.0
10.2	16 ft. boat	10	DAY	60.0 0	60 0.0
10.6	320 square foot float	1	JOE	800.00	800.0
10.7	Mobilization and Demobilization for 320 square foot float	1	JOE	950.00	950.0
15.2	Machine Probes, 300 lb. hammer (5 ft. minimum to 40 ft. maximum depth)	1,000	LF	10.00	10,000.0
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ATTACHMENT NO. 1 GEB REQUISITION NO. 86-6 - DACW 33-85-D-0011 DELIVERY ORDER NO. 0008 INSPECTION AND EXPLORATION INSTRUCTIONS

PROJECT: Jonesport Harbor Navigation Improvements

SITE Jonesport Harbor, Maine.

PURPOSE: To determine foundation and excavation conditions for a proposed cellular steel sheet piling and rubble mound

breakwater

1. SCOPE OF INVESTIGATION.

a. Subsurface investigations include thirty-eight (38) machine probes.

- b. The probes designated P-1 through P-38 shall be located by survey within a five (5) foot radius of the locations shown on the attached plans. Coordinates and ground elevations shall be accurately determined and recorded on field logs for each probe and boring location using the bench marks shown on the attached plan (Attach 2). Mean Low Water (MLW) shall be used for datum for all elevations. All probes (utilizing A rods) shall be driven to a refusal of fifty (50) blows with no penetration or bouncing refusal.
- c. A geotechnical inspector shall perform field inspection for all machine probes.

2. SITE CONDITIONS.

- a. The explorations will be performed in Sawyer Cove from approximately fifty (50) to eleven hundred (1100) feet off of Henry Point, Jonesport, Maine. The tide range is $12'\pm$ and depth of water is estimated to be 0-30 feet.
- b. Information concerning tides, launching facilities, and other pertinent site conditions may be obtained from the Harbormaster, Mr. Barna B. Norton (207)497-5933.

3. RIGHTS OF ENTRY.

Rights of entry to include staging area, dock loading area and coordination with the Harbormaster, Mr. Barna B. Norton, 207-497-5933 is the responsibility of Atlantic Testing Laboratories.

4. COORDINATION.

Mr. James Blair, Corps of Engineers, 617-647-8396, shall be contacted by Atlantic Testing Laboratories one week before start of work. The field inspector shall provide daily telephone reports on daily progress, probes completed, blow counts and materials encountered, if discernable, to Mr. James Blair between 7:00 and 8:00 a.m. prior to start of each working day.

5. EXPLORATION NUMBERS.

Probings P-1 through P-38 shall be numbered FP-85-1 through FP-85-38 in order of completion. All explorations are shown on Plan of Explorations (Attach 2). More detailed plans and survey data was provided Atlantic on 21 October 1985.

6. GOVERNMENT REVIEW.

The Government will review the draft submittal as well as the completed work. Subsequent to such review, the Contractor shall accomplish any corrections which may be directed as the result of the Government review.

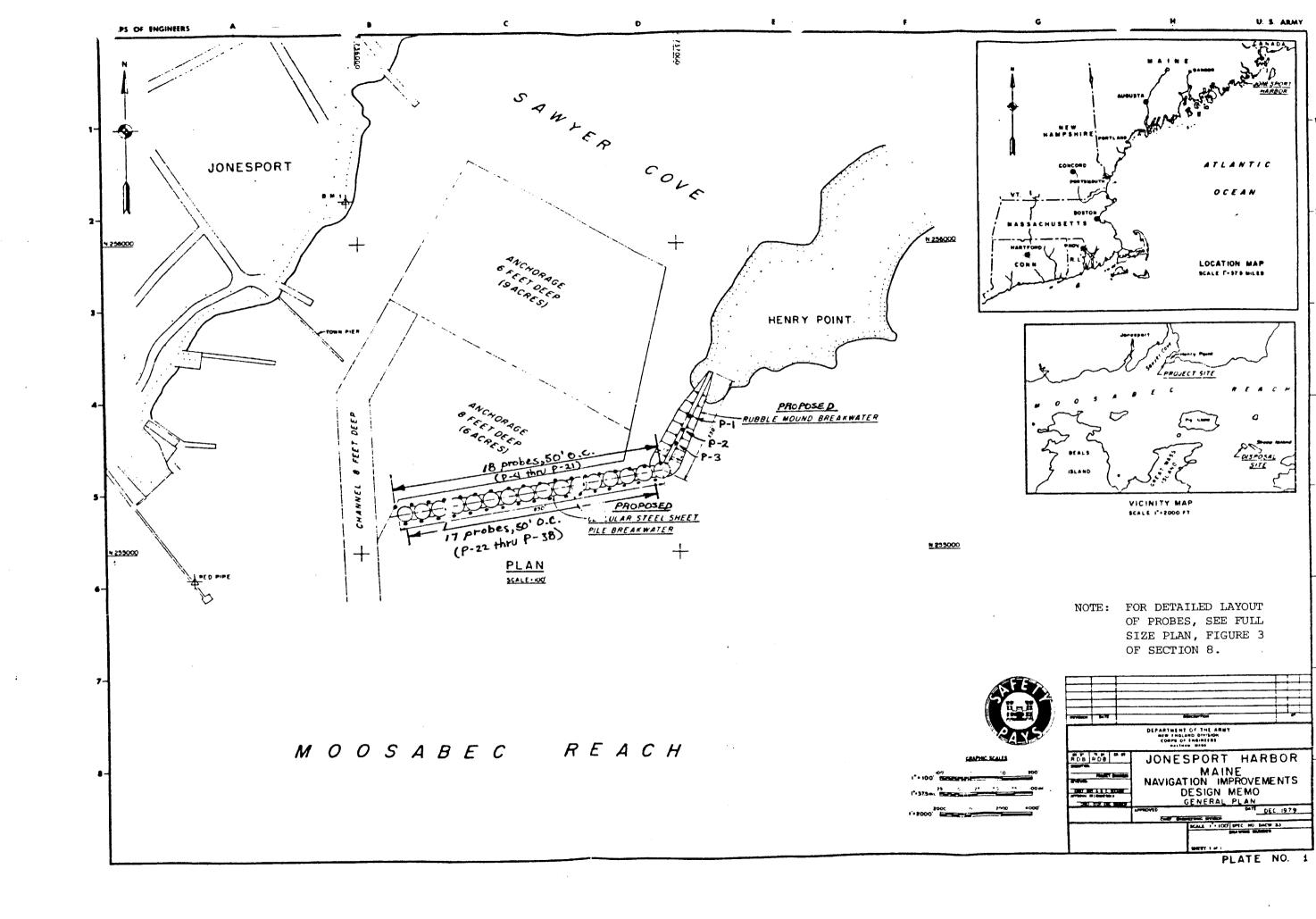
7. COMPLETION SCHEDULE.

Services under this delivery order shall start within seven calendar days after receipt of delivery order. Duration of field work is estimated to be two weeks. The geotechnical report shall be submitted in draft format for review (by the Government), postmarked no later than seven calendar days after completion of field work. Government review will take approximately ten calendar days from receipt of draft report. The final geotechnical report shall be submitted postmarked no later than seven calendar days after receipt of draft report with Government comments.

8. QUALITY CONTROL.

You will be held responsible for the quality of the maps submitted and for all damages caused the Government as a result of your negligence in the performance of any services furnished under the contract.

Although submissions required by your contract are technically reviewed by the Government, it is emphasized that your work must be prosecuted using proper internal controls and review procedures. The letter of transmittal for each submission which you make shall include a certification that the submission has been subjected to your own review and coordination procedures to insure (a) completeness for each discipline commensurate with the level of effort required for that submission, (b) elimination of conflicts, errors and omissions, and (c) the overall professional and technical accuracy of the submission. Documents which are significantly deficient in any of these areas will be returned to you for correction and/ or upgrading prior to our completing our review. Contract submission dates will not be extended if a resubmission of draft material is required for this reason.



2/13/69

8411922 (New No.) MAINE - 6

U. S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY

TIDAL BENCH MARKS

Jonesport, Sawyer Cove Lat. 44031'.8; Long. 67035'.9

BENCH MARK 1 (1948) is a standard disk, stamped "NO 1 1948", set on top and about in center of 8-foot by 5-foot bedrock at edge of rocky bank 2 feet above ground level. It is 99 feet south of centerline of black-top street across street and southeast of Sawyer Memorial Congregational Church and 42 feet south of Bench Mark J 149. Elevation: 19.26 feet above mean low water.

BENCH MARK 4 (1910) is a chiseled triangle cut on highest point of rock in a group of rocks extending toward the water about 175 yards south and across black-top street of Sawyer Memorial Congregational Church. It is 151 feet southwest of Bench Mark 1 and 34½ feet northeast of large eyebolt fastened in top of another rock. Elevation: 16.75 feet above mean low water.

BENCH MARK 5 (1918) is a standard disk, stamped "NO 5 1918", set in top of 4-foot by 6-foot buried boulder flush with ground of rock ledge 170 feet north of Bench Mark 4. It is 170 feet southeast of and across street from Sawyer Memorial Congregational Church, 20 feet south of centerline of black-top street and 57 feet east of east side of a 2-story building. Elevation: 25.48 feet above mean low water.

BENCH MARK J 149 (1962) is a standard disk, stamped "J 149 1962", set on top and near the center of a 20-by 15-foot bedrock projecting 1 foot above the level of the ground, 59 feet south of the centerline of the black-top street, 242 feet southeast of the Sawyer Memorial Congregational Church, 35 feet north of the north bank of the cove, 72 feet southeast of Bench Mark 5, 42 feet north of Bench Mark 1 and about 2 feet below the level of the street. Elevation: 20.45 feet above mean low water.

(OVER)

USCOMM-CGS-DC

Jonesport, Sawyer Cove (Cont'd)

Mean low water at Jonesport, Sawyer Cove, is based on 34 high waters and 33 low waters, June 3-20, 1959, reduced to mean values. Elevations of other tide planes referred to this datum are as follows:

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Mean high water Mean tide level Mean low water	11.50 5.75 0.00

The estimated highest water level to the nearest half foot is 15% feet above mean low water. The estimated lowest water level to the nearest half foot is 4 feet below mean low water. 16 ff.

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U.S.A. Engineer Division Corps of Engineers New England

SURVEY STATION DATA

JONESPORT HARBOR

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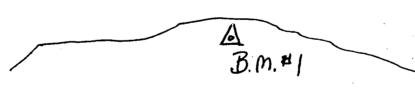
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SAWYEES COVE FLOOD

REFERENCES: FIELD BOOK NO.



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U.S.A. Engineer Division Corps of Engineers New England

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FIREPOLE BASE

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b. Project Site

The project site was located on water in Sawyer Cove, just off land of Jonesport, Maine. The investigation covered an area approximately 50 ft wide extending southwest from Henry Point roughly 1100 ft. The cove area is the site of several moored fishing and pleasure boats. Project and probe location drawings are provided in Section 8.

c. Purpose

The purpose of the exploration was to extend probes into the soil below the water surface along the perimeter of the proposed breakwater. Information retrieved will be used by the Corps of Engineers to finalize the breakwater design.

d. Scope of Work

The scope of work under this delivery order consisted of advancing a machine probe to refusal, in 38 locations as noted from the print transmitted to us by the Corps of Engineers. Originally, two borings were to be part of the investigation but were cancelled prior to mobilization.

General inspection and exploration instructions were provided by the Army Corps of Engineers, New England Division, through the contracted "Specifications for Services and Equipment Necessary for Conducting Geotechnical Exploratory Work, Various Locations in New England, and New York" and through Delivery Order No. 0008 which has been included in Section 3a. Section 3a also contains benchmark and probe alignment information that was provided to us by the Corps. Specific instructions and changes during the course of work were given verbally during phone conversations through a Corps of Engineer representative and can be found listed in Table I and Table II of Section 5, herewith.

QUALITY CONTROL

a. General Certification Statement:

I hereby certify, as a principal of Atlantic Testing Laboratories, Limited, that the reported records, equipment, and procedures were used to perform the subsurface exploration described herein. I also certify that the work was conducted in a professional manner and meets the requirements set forth in the work order. This report has been subject to my review and is both complete and technically accurate.

CERTIFIED

10 January 1986

Spencer F. Thew, P.E./L.S.

President

b. Records Taken

Horizontal and vertical control of each probe was set and recorded by an ATL Licensed Surveyor. A copy of these notes have been included in Section 9.

Pertinent probing information and procedures, including elevations, blow counts, etc. were noted on Forms NED 121, 58 and 58A provided for our use by the Corps. Section 8 contains a complete series of these logs for the total 38 probes along with location drawings.

Summary of daily activities and telephone conversations can be found in Tables I and II of Section 5. Also documented during the project operations, were safety meeting reports, located in Sections 7.

c. Equipment Used

All equipment and supplies were provided by Atlantic Testing Laboratories, Limited. A short description of the pertinent equipment and tools used during the exploration have been provided below:

- 16 ft x 20 ft pontoon float
- 5 hp Acker portable cathead and tripod
- 80 ft of AW rod
- service boat and motor
- 300 lb drive hammer
- transit
- range rod

d. Procedures

The 16 ft x 20 ft float was navigated to the general area to be investigated using the small service boat. Three to five anchors, on long lines, were then set and tied to the corners of the float. An ATL licensed surveyor located the float within a 5 ft radius of the proposed testing location. The anchor lines were all tightened holding the float in position for the duration of the exploration.

Coordinants of each testing location were determined using information provided to us by the Corps. Turning angles from a prescribed benchmark and stadia distance was used to physically define the site to be probed.

Elevations of the water surface and below water ground surface, using Mean Low Water (MLW) as a datum, were recorded which marked the beginning of the testing procedure. A 2-1/4" O.D. pointed rock piercing tip, followed by lengths of AW rod were driven using a 300 lb weight falling 18 inches. The blow count for each foot of penetration was noted for the full depth of exploration. All probes were driven to refusal which was defined by the Corps as 50 blows, with no penetration, bouncing refusal, or 100 plus blows per foot.

After probe refusal, tip and water surface elevations were recorded. Marked footages of deeper probes, which required substantial time, were affected by tidal fluctuation. Therefore, all drilling logs have been adjusted for tidal affects so that the final probe elevation, as surveyed, would match the depth totaled during exploration.

SUMMARY OF DAILY ACTIVITIES

AND

TELEPHONE LOGS

TABLE I

SUMMARY OF ACTIVITIES

Date	Activity
2 Dec	<pre>Monday: - Mobilization to site of 320 sg ft float, probe driving equipment and men - (12:30 - 15:00) Dana Drake, ATL Surveyor, on site</pre>
3 Dec	Tuesday: - (06:30 - 17:00) Constructed float
4 Dec	<pre>Wednesday: - (07:00 - 08:30) Drillers finished erecting tripod and loading equipment on float - (08:30 - 09:00) Safety Meeting - (09:00 - 10:00) Move float from boat ramp to probe site P-3 - (10:00 - 10:10) Exploration of P-3 (FP-85-1), Depth 0' - (10:10 - 11:00) Move from P-3 to P-2 - (11:00 - 11:10) Exploration of P-2 (FP-85-2), Depth 0'</pre>
	- (11:10 - 11:50) Move from P-2 to P-1 - (11:50 - 12:00) Exploration of P-1 (FP-85-3), Depth 0' - (12:00 - 13:00) Lunch - (13:00 - 13:30) Move from P-1 to P-4 - (13:30 - 13:50) Exploration of P-4 (FP-85-4), Depth 8.6' - (13:50 - 14:00) Move from P-4 to P-5 - (14:00 - 14:40) Exploration of P-5 (FP-85-5), Depth 19.4' - (14:40 - 14:50) Move from P-5 to P-6 - (14:50 - 15:40) Exploration of P-6 (FP-85-6), Depth 36.0' - (15:40 - 16:30) Move and anchor float for night
5 Dec	Thursday: - (07:00 - 08:00) Move onto Probe P-7 - (08:00 - 10:00) Exploration of P-7 (FP-85-7), Depth 42.1' - (10:00 - 10:40) Move from P-7 to P-35 - (10:40 - 13:00) Start exploration of P-35 (FP-85-8) - (13:00 - 14:00) Stand by awaiting Corps decision regarding maximum blow count or depth of probes - (14:00 - 16:00) Continued exploration of P-35
6 Dec	Friday: - (07:00 - 11:00) Finished exploration of P-35 (FP-85-8), depth 56.7' - (11:00 - 11:30) Stand by awaiting Corps decision regarding maximum blow count or depth of probes - (11:30 - 12:30) Move from P-35 to P-21 - (12:30 - 13:40) Exploration of P-21 (FP-85-9), depth 31.3' - (13:40 - 13:50) Move from P-21 to P-22 - (13:50 - 14:10) Exploration of P-22 (FP-85-10), depth 23.7' - (14:10 - 14:20) Move from P-22 to P-23 - (14:20 - 14:40) Exploration of P-23 (FP-85-11), depth 17.3' - (14:40 - 14:50) Move from P-23 to P-24 - (14:50 - 15:00) Exploration of P-24 (FP-85-12), depth 22.5' - (15:00 - 15:30) Move from P-24 to P-18 - (15:30 - 15:40) Exploration of P-18 (FP-85-13), depth 20.2' - (15:40 - 16:30) Secured equipment

```
Activity
Date
7 Dec
              Saturday:
              - (07:00 - 07:40) Moved onto P-20
              -(07:40-08:00) Exploration of P-20 (FP-85-14), depth 24.5
              - (08:00 - 08:10) Move from P-20 to P-19
              - (08:10 - 08:20) Exploration of P-19 (FP-85-15), depth 19.0'
              - (08:20 - 09:20) Move from P-19 to P-17
              - (09:20 - 09:50) Exploration of P-17 (FP-85-16), depth 28.7'
              - (09:50 - 10:10) Move from P-17 to P-16
              - (10:10 - 10:30) Exploration of P-16 (FP-85-17), depth 17.7'
              - (10:30 - 10:50) Move from P-16 to P-15
              - (10:50 - 11:00) Exploration of P-15 (FP-85-18), depth 13.7'
              - (11:00 - 11:20) Move from P-15 to P-14
              - (11:20 - 11:30) Exploration of P-14 (FP-85-19), depth 16.8'
              - (11:30 - 11:40) Move from D-14 to P-13
              - (11:40 - 12:00) Exploration of P-13 (FP-85-20), depth 17.1'
              - (12:00 - 12:10) Move from P-13 to P-12
              - (12:10 - 12:40) Exploration of P-12 (FP-85-21), depth 28.3'
              - (12:40 - 13:50) Move from P-12 to P-11
              - (13:50 - 14:40) Exploration of P-11 (FP-85-22), depth 26.6'
              - (14:40 - 15:30) Secure equipment
8 Dec
              Sunday:
              - (07:00 - 08:10) Move onto P-32
              - (08:10 - 09:00) Exploration of P-33 (FP-85-23), depth 23.2'
              - (09:00 - 09:30) Move from P-32 to P-31
              - (09:30 - 10:00) Exploration of P-31 (FP-85-24), depth 24.9
              - (10:00 - 10:40) Move from P-31 to P-32
              - (10:40 - 11:40) Exploration of P-30 (FP-85-25), depth 24.7'
              - (11:40 - 12:10) Move from P-30 to P-29
              - (12:10 - 12:30) Exploration of P-29 (FP-85-26), depth 20.7'
              - (12:30 - 13:20) Move from P-29 to P-28
              - (13:20 - 13:30) Exploration of P-28 (FP-85-27), depth 18.2'
              - (13:30 - 13:40) Move from P-28 to P-27
              - (13:40 - 13:50) Exploration of P-27 (FP-85-28), depth 9.8'
              - (13:50 - 14:00) Move from P-27 to P-26
              - (14:00 - 14:10) Exploration of P-26 (FP-85-29), depth 15.4'
              - (14:10 - 14:20) Move from P-26 to P-25
              - (14:20 - 15:00) Exploration of P-25 (FP-85-30), depth 26.6'
              - (15:00 - 16:00) Secured equipment
9 Dec
              Monday:
              - (07:00 - 07:30) Safety meeting
              - (07:30 - 08:00) Moved onto P-10
              - (08:00 - 08:30) Exploration of P-10 (FP-85-31), depth 18.5'
              - (08:30 - 09:00) Move from P-10 to P-9
              - (09:00 - 10:20) Exploration of P-9 (FP-85-32), depth 40.4'
              - (10:20 - 10:30) Move from P-9 to P-8
              - (10:30 - 13:10) Exploration of P-8 (FP-85-33), depth 60.3'
              - (13:10 - 13:30) Move from P-8 to P-33
              - (13:30 - 15:30) Exploration of P-33 (FP-85-34), depth 57.9'
              - (15:30 - 16:00) Secured equipment
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Date	Activity
10 Dec	Tuesday: - (07:00 - 09:00) Equipment repair - (09:00 - 09:30) Moved onto P-34 - (09:30 - 11:00) Exploration of P-34 (FP-85-35), depth 60.2' - (11:00 - 11:30) Move from P-34 to P-36 - (11:30 - 12:10) Exploration of P-36 (FP-85-36), depth 35.1' - (12:10 - 12:30) Move from P-36 to P-37 - (12:30 - 13:00) Exploration of P-37 (FP-85-37), depth 25.3' - (13:00 - 13:10) Move from P-37 to P-38 - (13:10 - 13:20) Exploration of P-38 (FP-85-38), depth 15.8' - (13:20 - 16:00) Moved to boat ramp area and secured equipment
11 Dec	Wednesday: - (08:00 - 16:00) Disassembled float and picked up equipment - Demobilization of Licensed Surveyor
12 Dec	Thursday: - Demobilization of Geotechnical Inspector - (08:00 - 16:00) Preparation of equipment for demobilization
13 Dec	Friday: - Demobilization of remaining crew and equipment

TABLE II

LOG OF TELEPHONE CONVERSATIONS

Date	Comments
19 Nov	Tuesday (09:00 hrs.) Paul Fisher (ATL) to Terry Wong (Corps) ATL - weather may affect stand by time Corps - job is critical Corps - Jim Blair will return to office on 11/25/85
	Tuesday (10:30 hrs.) Paul Fisher (ATL) to Terry Wong (Corps) ATL - propose start date of 12/2/85 ATL - will use a portable cathead drive unit and a tripod on a 16' x 20' raft ATL - no probe end type was designated, will use pointed end
20 Nov	Wednesday (08:30 hrs.) Paul Fisher (ATL) to Paul L'Heureux (Corps) ATL - request benchmark coordinants ATL - two delivery order numbers appear - 0008 and 0009 Corps - D.O.#0009 is correct ATL - no information on two borings requested in the delivery order Corps - all borings have been cancelled
	Wednesday (11:30 hrs.) Terry Wong (Corps) to Paul Fisher (ATL) Corps - benchmark information should have been transmitted ATL - request change in scheduled survey crew Corps - Corps soil logs will be used for logging probes
	Wednesday (13:20 hrs.) Terry Wong (Corps) to Paul Fisher (ATL) Corps - send letter prorating surveyor time and equipment ATL - a surveyor will be required on site for the full duration
21 Nov	Thursday (11:00 hrs.) Paul Fisher (ATL) to Terry Wong (Corps) Corps - confirmed start date of 12/2/85, send letter ATL - benchmark information still needed
*	Thursday (13:30 hrs.) Paul Fisher (ATL) to Paul L'Heureux (Corps) Corps - will send benchmark information by mail to Canton
25 Nov	Monday (13:30 hrs.) Paul Fisher (ATL) to Jim Blair (Corps) Corps - benchmark information has been sent Corps - had talk with Dana Drake (ATL surveyor) regarding needed data
27 Nov	Wednesday (09:00 hrs.) Paul Fisher (ATL) to Jim Blair (Corps) Corps - any moving of float will be charged as on site moves Corps - tidal observation will not be required Corps - log information on Forms 121, 58 and 58A Corps - if refusal is over the contracted 40 ft depth, an additional schedule will be negotiated Corps - probe location sketches may be shown on one drawing
3 Dec	Tuesday (08:45 hrs.) Paul Fisher (ATL) to Terry Wong (Corps) ATL - rig, float and men on site yesterday (2 Dec 85) ATL - expect to have rig and float erected today
4 Dec	Wednesday (08:20 hrs.) Paul Fisher (ATL) to Terry Wong (Corps) ATL - equipment set up and probing just beginning

Date	Comments
5 Dec	Thursday (07:15 hrs.) Paul Fisher (ATL) to Ron de Filippo (Corps) ATL - job progress, 6 probes completed 4 Dec 85
	Thursday (13:00 hrs.) Paul Fisher (ATL) to Terry Wong (Corps) ATL - maximum blow count or depth of probes
	Thursday (13:30 hrs.) Paul Fisher (ATL) to Terry Wong (Corps) Corps - probe to bedrock until a decision could be made regarding end of probe exploration
6 Dec	Friday (07:45 hrs.) Paul Fisher (ATL) to Barna B. Norton (Harbon Master) ATL - regarding boats anchored in probing area
	Friday (08:00 hrs.) Paul Fisher (ATL) to Paul L'Heureux (Corps) ATL - maximum blow count or depth of probes Corps - no decision
	Friday (11:00 hrs.) Paul Fisher (ATL) to Paul L'Heureux (Corps) Corps - move from the northeast to southwest and continue probing Corps - call Monday for decision regarding deeper probes
9 Dec	Monday (09:00 hrs.) Paul Fisher (ATL) to Paul L'Heureux (Corps) ATL - job progress, 31 probes completed Corps - call later for decision on maximum blow count or depth of probes
	Monday (09:20 hrs.) Paul Fisher (ATL) to Paul L'Heureux (Corps) Corps - decision to stop exploration at 100 blows/ft
10 Dec	Tuesday (07:30 hrs.) Paul Fisher (ATL) to Mark Vance (Corps) ATL - job progress, 34 probes completed
ll Dec	Wednesday (08:00 hrs.) Paul Fisher (ATL) to Terry Wong (Corps) ATL - job progress, all 38 probes completed
	Wednesday (10:00 hrs.) Paul Fisher (ATL) to Paul L'Heureux (Corps) ATL - dictated probe refusal elevations
16 Dec	Monday (13:30 hrs.) Paul Fisher (ATL) to Terry Wong (Corps) Corps - no stand by time for assembly or disassembly of float Corps - surveyor on stand by time if work is held up by Corps
	Monday (15:20 hrs.) Terry Wong (Corps) to Paul Fisher (ATL) Corps - send letter regarding pay schedule for probes over 40 ft
17 Dec	Tuesday (08:30 hrs.) Paul Fisher (ATL) to Terry Wong (Corps) Corps - no daily charge for equipment en route Corps - one way straight line mileage, 218 miles Corps - Geotechnical time can be charged during transit Corps - OK to send report out over the weekend (12/21)

CHAIN OF CUSTODY LOGS





ATLANTIC TESTING LABORATORIES, Limited

CHAIN OF CUSTODY LOG

PROJEC'	Jonesport Han	rbor, ME			
ITEMS:	Tubes				
	Bottles				
	Jar Samples				
	Core Boxes				
	Sampling Logs			$\overline{}$	
Date &	Time Received	Date & Time	Transferred	Comments	Custodian
				·	
					$\overline{}$
<u> </u>					

NOTE: NO SAMPLES TAKEN

SAFETY REPORTS

WEEKLY SAFETY MEETING

FOR THE CONSTRUCTION INDUSTRY

ifety Meeting Outlines Box 294 Park Forest, IL 60466 312-481-6930 No. 51 Vol 8 We	ek.of r
Company Name ATLANTIC TESTING LAB Job Name JONES PORT HARBOR D	Date /2/4/85
ALCOHOL & MARIJUANA	
Alcohol and marijuana are two of the most commonly abused drugs affecting industry and your safety.	our nation's
Alcohol consumption has been encouraged by example and advertising for year presently used by an estimated 100 million Americans. When alcohol is consumed directly into the blood stream the faster it's consumed, the percentage in the blood, and the greater effect it will have on the brain the average body can only get rid of one ounce of alcohol each hour.	nsumed, it is higher its
Marijuana is a strong drug containing 421 chemicals, and the one that gets 'HIGH' is referred to as IHC. In recent years the percentage of THC in commarijuana has greatly increased, making it more dangerous than ever. Smokenee 'JOINT' can introduce sufficient amounts of THC into the body and brainingering effects for as long as 21 days, and in addition, will deposit more causing agents than a whole pack of tobacco cigarettes.	ultivated king just in to cause
THC has a negative influence on the normal growth of all body cells. A resoft long term marijuana users revealed brain shrinkage in everyone tested. cell behavior prevents the body's immune system from working properly to fidisease and disturbs the balance of hormones that affect reproduction, enchealth and future of unborn children.	This abnormal ight off
The worst effects of alcohol and marijuana are the injuries and deaths the use them cause to innocent people like YOU. Be on guard and give those you plenty of space, both on the job and on the road.	
A SAFE & HAPPY HOLIDAY SEASON & AN ACCIDENT FREE NEW YEAR	
Special Topics For Your Project LOCAL EMERICENCY NUMBERS: MARINE PAT ONERS 497-577/3 WASH. CO. REC. 800-432-7303, MACHIAS HOSP. JONES PORT FIRE DEPT 497-2993, USCG 497-2200	244-3356,
Employee Safety Recommendations REES TRACE OF WESTHER AND	TIDES
Meeting Attended By PAUL FISHER ATL	
DANA DRAISE ATC	
GARY CAMBRIDGE ATL	
JIM BOYER ATL	
•	

Supervisors Signature ___

NEDSO	· · · · · · · · · · · · · · · · · · ·	Date held / 2 /4/85
THRU: A	rea Engineer, New Excusso Area	Time 0830
TO: S	afety Office, NED	
1. Week	ly safety meeting was held this date for the f	Collowing personnel:
Contract	No. <u>00, 48</u> Contractor ATLAN	MIL TESTING LAB.
Conducte	ed By PAUL FISHER All personnel presen	it (Contr) 4
	discussed (Note, delete, or add):	(Govt)
Accid	ent Prevention Plan	
/ X Indiv	ridual Protective Equipment - GLOVES, Boots	, WARM GOVINNE
Prove	ention of Falls -	
X Back	Injury, Safe Lifting Techniques -	s e e e
	Prevention -	,
X Sanit	tetion, First Aid, Waste Disposal - Note En	rerearcy No.
X Tripp	oing Hazards - trash, hose, mails in lumber - A	ROPES ANKHORS
Stagi	ing, Ladders, Concrete Forms, Safety Nets -	
X Hand	Tools, Portable Power Tools, Woodworking Machi	inery - CAT HEAD RIC
	ment Inspection & Maintenance (Zero Defects) -	
, v	ting Equipment - CAT HEAO RIG	
-	, Hooks, Chains and Slings -	
/	trical Grounding, Temporary Wiring, GFCI -	
Lock	outs for safe clearance procedures - electrical	i, pressure, moving parts -
Weld	ing, Cutting -	,
Exca	vations -	
L005	e Rock and Steep Slopes -	•
	osives -	•
Wate:	r Safety - BUATING T WORKING ON FL	oat
	materials - hazards, MSDS, respiratory, vent	
Cthe	r - DON'T FALL INTO THE WATER Prepare	ed by FISHER Title ENE
2. Forti	•	1101 - 11
24 . 52 ///		ture All Make
TP:	SATI + SUN FOR 12/2 TO 12/8	Resident Engineer
•	200 HRS. ONLY ATL PERSONNEL ON SITE	

WEEKLY SAFETY MEETING

		FOR THE CONS			
afety Meeting Outlines	Box 294	Park Forest, IL 60466	312-481-6930	No. 52	Vol 8 Week of
Company Name <u>ATLAN</u>	ne Tea	TING LAB JOB NAI	me JONESP	ORT. HI	ARBOR Date 12/9/
		BAD SAF	ETY HABITS		
personal securit	ty. It's		founded on.	lt's wh	damage, and to your at everyone wants, nd to keep.
dents and save	lives think of	in the process, the it as a 'preachir	ne word safe	ty has be	untry to reduce acci- en used so often that hat forces you to <u>alter</u>
	ng in lif				that applies to the way 're just not doing thin
tended and obeyi that requires ey accessory to the	ing the l ve protec e proper	aws, no more, no lition, don't fight	ess. If you it. Safety If you're	u're work glasses working a	g your vehicle as in- ing with a <u>power tool</u> are simply a necessary t home, take the time o sit on.
		ear to think about rect them in 1986.		ad safety	<u>habits</u> , and then to
will help make y good example to	ou a <u>mor</u> those ar	e responsible and	desirable en our bonus fo	mployee, r this ef	d effort, but the resulingroved driver, and a fort is a greatly re-
SAFETY REMINDERS		A GREAT TIME AS YO BUT PLEASE - LET SOMEONE WHO	- IF YOU DR	INK	
Special Topics For Your Pro	-				
Employee Safety Recommer	ndations			<u> </u>	
				·. · · · · · · · · · · · · · · · · · ·	
Meeting Attended By PAUL F,	SHER				
DANA D	PAKE				
Jim Boy	MBRIDE ED	· · · · · · · · · · · · · · · · · · ·	u, noscola		
JIMI DOT	<i>-</i> Λ	<u> </u>			

Supervisors Signature

Those instructions do not ourseled level etate or federal regulations

WEEKLY	SAFETY	MEETING

NEDS0

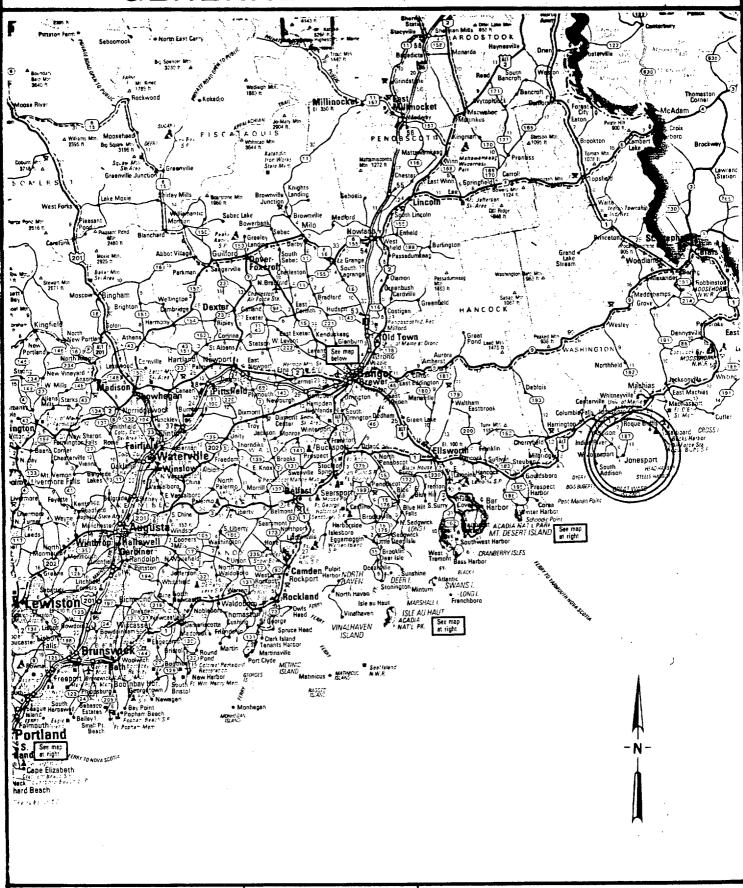
NED APR FE 251

THRU: Area Engineer, New Engineer	LANDATER	Time 0700
TO: Safety Office, NED		
1. Weekly safety meeting was held	this date for the fol	lowing personnel:
Contract No. Do, #8	Contractor Atlant	IC TESTING LAB
Subjects discussed (Note, delete.	All personnel present	(Contr) <u>4</u> (Sub) /2
Subjects discussed (Note, delete, EM 385-1-1, Section:	or add):	(Govt)
Accident Prevention Plan		
✓Individual Protective Equipment	. -	
Prevention of Falls -		
X Back Injury, Safe Lifting Techn	niques -	•
Fire Prevention -		•
Sanitation, First Aid, Waste Di X Tripping Hazards - trash, hose, Staging, Ladders, Concrete Form Hand Tools, Portable Power Tool X Equipment Inspection & Maintens X Hoisting Equipment - X Ropes, Hooks, Chains and Slings Flectrical Grounding, Temporary Lockouts for safe clearance pro Welding, Cutting - Excavations - X Loose Rock and Steep Slopes - Explosives -	nails in lumber - Roms, Safety Nets - ls, Woodworking Machine ance (Zero Defects) - s - CAT HEAD Roms y Wiring, GFCI - ocedures - electrical,	
X Water Safety - Toxic materials - hazards, MSD	S, respiratory, ventil	ation -
Cther - 2. Forwarded. Exposure Time From 12/9 CF: =96 HRS		re Sal Mole Resident Engineer
•		

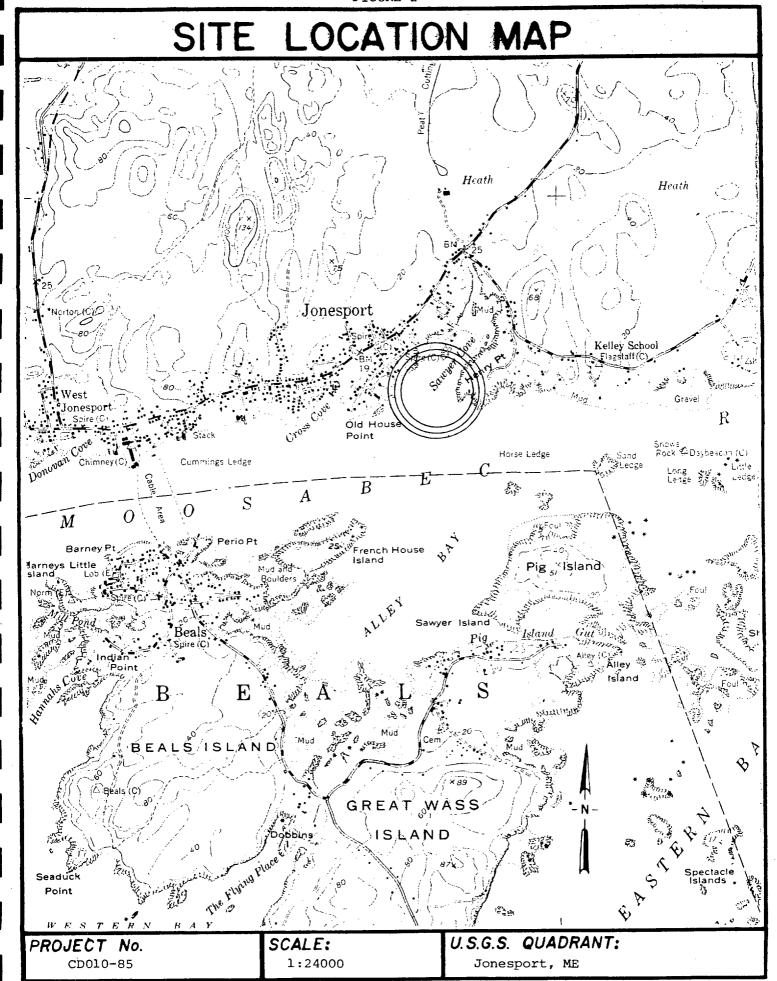
FIELD INSPECTOR'S LOGS

a. Figure 1 - General Project Map

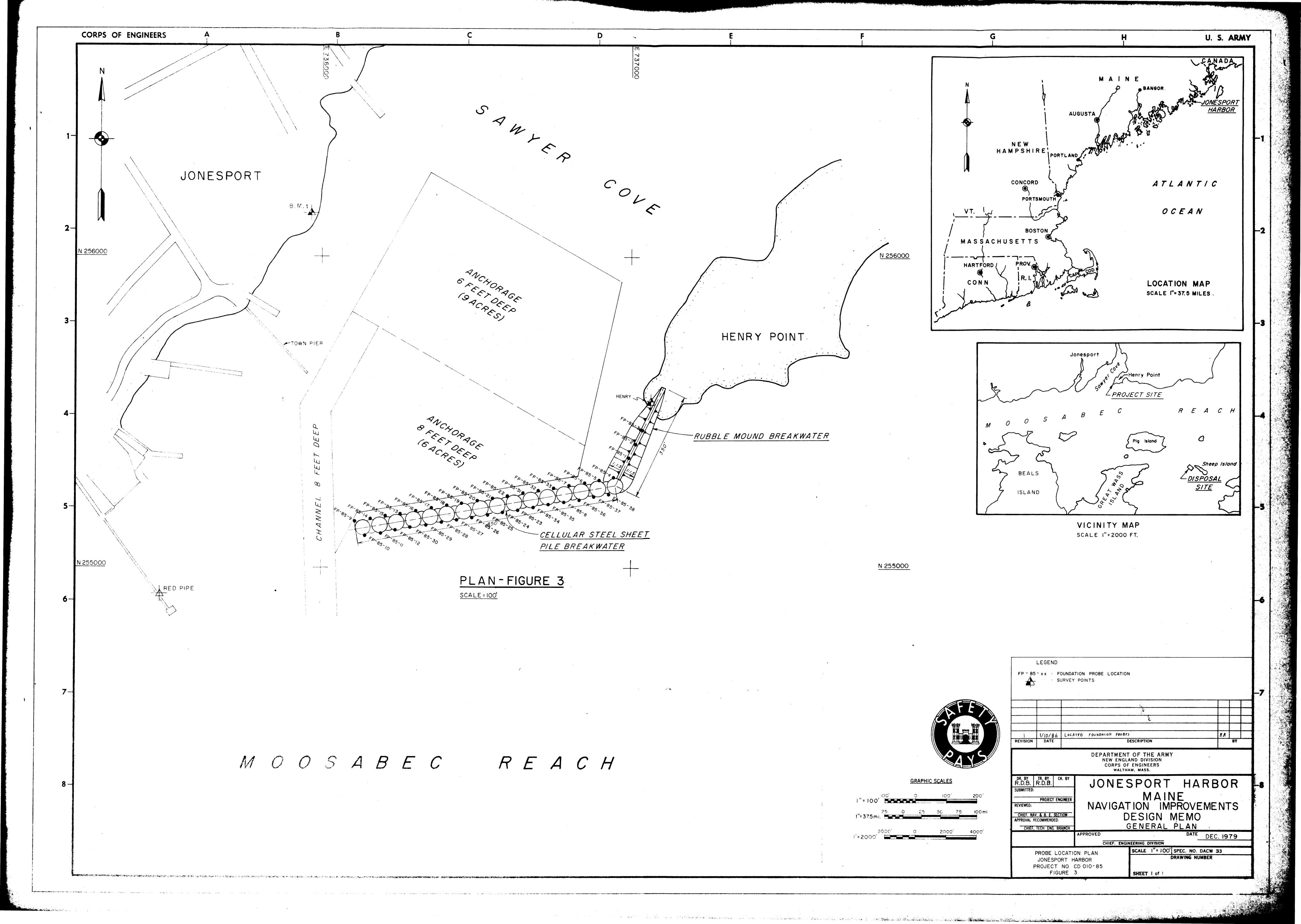
GENERAL PROJECT MAP



b. Figure 2 - Site Location Map



c. Figure 3 - Probe Location Plan



d. Probing Logs

Site Jo	nesport thebor ME PROJECT	NO. D.O. ±8 Page 1 of ≥ Pages
	FP85-1 000. (Coming) P-3	Boring Started 12/4/85
Co-ordina	ites: N <u>255356</u> E <u>736995</u>	Boring Completed 12/4/85
Orilled t	r Cambridge + Boyer	Report Submitted
Purpose o	of Exploration <u>Foundation Invest</u>	igation for a proposed breakwate
	Top of Hole	Casing Left in PlaceFeet
	burden Orilled Feet	
	Top of Rock	
	DrilledFeet	•
Total Dept	h of Hole	
	ered\$	
Core Recov	eredft:Di min.	
	eetn. Di antlo.	
Soll Sample	estn. DienHo.	Water Table Deoth <u>Sea. level</u>
Dogth	Method of Drilling	1 f MCx
From To		Ground WaterBack of Page
00	214" 00 Pointed Probe	Boring Location SketchBuck of Page
		Overburden RecordPage
		Rock BrillingPage
	 	^>#
 		
	Provide FISHED	
•	Preserved by FISHED Flore Both Substitute by Atlantic Testing Lake	Cab. Data
	substeed by Atlantic Testing Lat	os uta

Total Overburden Drilled Elevation Top of Rock Total Rock Drilled Elevation Bottom of Boring Total Depth of Boring Core Recovered	BORING -5.4 0 -5.4 0 No. Boxe in. Dice	Boring No. FA-65-/Desig. P3 Co-ordinates: N 255 35 HLW MAT. Hammer W1. 300 F Feet Hammer Drop 1/5 HLW MST. Casing Left — Feet Isubscripts Water I 6 HLW MST. Obs. Well — Feet Drilled By Cas	Boring Started 10/4/85 Boring Completed 10/4/85 Datel Page Mbridge & Boyer HD Acker Fisher
DEPTH CORE/SAMPLE	TEN III	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
GENERAL REMARKS: adjusted for tidal elevation, as surv	The a effect	bove drilling log has been so that the final probe atches the depth totaled	probleditectly on tock

Site Jones port Harbor PROJECT	NO. D.O. #8 Page 1 of Z Pages	
Hole No. EP-85-2 Dies (44) P-2	Boring Started 12/4/85	
Co-ordinates: N.255401 E 737017	Boring Completed 12/4/85	
Orilled by Cambridge & Boyer	Report Submitted	
Purpose of Exploration <u>Councilation</u> excavasti	on for a proposed break	water
Slevetion Top of NoisO.7 MLW Nest.	Casing Left in Place	
I evation Top of Rock		
core RecoveredFt.;DiamIn. Soil SamplesIn. DiamNo. Soil SamplesIn. DiamNo.	Water Table Dooth Sea level	EL. = 4.8'
Depth Method of Brilling From To and Type of Sit Used	11002	
0 0 21/4" 00 Pointed Probe	Ground Water	
	Boring Location Sketch Overburden Record	-
	Rock Drilling	
	·	Pogo
		hp
Prepared by FISHER		
Sumitted by Atlantic Testing Labs	Lab. D	s La

Total Overburden DrilledO Elevation Top of RockO.7 M Total Rock DrilledO Elevation Bottom of BoringO.7 Total Depth of BoringO Core RecoveredO/O No. Boxes Core RecoveredFt:Diam Soll Samplesin. Diam	CORPS OF ENGINEERS NEW ENGLAND DIVISION Boring No. FA65-2 Desig. P2 Diam. (Casing) FIELD LOG OF TEST BORING Co-ordinates: N 255401 E 737017 Elevation Top of Boring -0.7 HLW MSE. Hammer Wt. 300 Boring Started 10/4/85 Total Overburden Drilled O Feet Hammer Drop 1.5' Boring Completed 10/4/85 Elevation Top of Rock -0.7 HLW MSE. Casing Left Boring Completed 10/4/85 Elevation Bottom of Boring -0.7 HLW MSE. Obs. Well Page Elevation Bottom of Boring -0.7 HLW MSE. Obs. Well Drilled By Cambridge & Boyer Total Depth of Boring -0.7 HLW MSE. Obs. Well Fisher Core Recovered - % No. Boxes - Mfg. Des. Drill 5 HD Acker Core Recovered - Ft: Diam. In. Inspected By: Fisher Soil Samples - In. Diam. No. Classification By: Soil Samples - In. Diam. No. Classification By: CORDE (CAMBIE BLOWS)									
DEPTH CORE/SAMPLE BLOWS PER FT. 11"- 5 NO. SIZE DEPTH CORE RANGE REC'VY	ve drilling log has been o that the final probe	probleditedly on rock								

site Jonesport Harbor ME	Page I of Z Pages
Hole No. <u>FP-85-3</u> Biss. (\$1504) P-1	Boring Started 12485
Co-ordinates: N 255445 E 737039	Boring Completed 12 4/85
orilled by <u>Cambridge</u> & Boyer	Report Submitted
Purpose of Exploration Foundation investigation	tion for a proposed breakwater
Elevation Top of Hole 3.0 MLW NEST.	Casing Left in PlaceFee
Total Overburden Drilled O Feet Elevation Top of Rock 3.0 HLW North Elevation Bottom of Noie 5.0 MLW North Total Rock Drilled O Feet Total Depth of Noie 5.0 MLW North Core Recovered 5.5 Core Recovered 5.6 Soil Samples 1n. Diam. No. Soil Samples 1n. Diam. No.	Water Table Dooth Sea level
Doeth Hothod of Brilling From To and Type of Bit Used O O no probe - shot directly on rock at low tide	Bround Water Sack of Page Boring Location Sketch Sack of Page Overlanden Record Page Rock Drilling Page Page Page Page Page
Property FISHER Field Bate Sumitted by Atlantic Testing Labs L	tak beta

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CORPS NEW EI FIELD LO Elevation To Total Overbu Elevation To Total Rock I Elevation Bo Total Depth Core Recover Core Recover	p of Boring _ rden Drilled prilled of Boring ed	3.0 3.0 3.0 ing 3.0 6 No.Boxes	Boring No. FP 85-3 Desig. P-1 G Co-ordinates: N_255443 Hammer Wt. 300 Feet Hammer Drop 1.5 Hall MSL. Casing Left Feet Subserface Water ALW MSL. Obs. Well Feet Drilled By Mfg. Des. Drill Imin. Inspected By: im No. Classification By:	E 737 038 Soring Started 10/4/85 Boring Completed 10/4/85
DEPTH	CORE/SAMP		SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
GENERAL	REMARKS		o probe - shot directly on rock at low tide	

PROJECT N Site Jonesport Harbor ME Hole No. FP-85-4 Dies. (2000) P-4 Co-ordinates: N 255290 E 736946 Drilled by Cambridge & Boyer Purpose of Exploration foundation muestice. Dreak water	Report Submitted
Elevation Top of Hole	Casing Left in Place
Depth Method of Drilling From To and Type of Bit Used O 8.5 214" OD Doinied Drobae Preserved by FISHER Field Bata Sumitted by Atlantic Testing Labos	Bround Water Back of Page Boring Location Sketch Back of Page Overbarden Record Page Rock Brilling Page Page Page Page Page Ltd. Data

NEW I	S OF I	ARMY ENGINE ID DIVI	SION	Boring No. FP-85-4Desig. P4	Diom. (Cosing)
FIELD L				G Co-ordinates: N 23 227	
Elevation T	op ot a weden D	oring _ oritind	8,5	Feet Hommer Drop 1/3	Boring Completed 12/4/85
Elevation 7	op of R	lock	-19.1	HLW MET. Cooling Left	Boring Completed 121410
	9 -111-4		\mathcal{O}	Saat Bubaurines Weter	Date iPogo
Elevation	Bottom	of Bori	ng - 10	Feet Drilled By Ca	mbridge & Boyer
Total Dept	h of Boi	ring	8.0	Mfg. Des. Drill 5	HP Acker
Core Recov	ered ered		Di	omtn. Inspected By:	Fisher
Soll Samp	les		In. Di	amNo. Classification by:	
Soil Sampl	03		fn. Di	omNo. Classification By:	
DEPTH	+	T DE	PER FT.	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIAL
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Site Jones port Harbon ME PROJECT 1	NO. D.O. # 8 Page 1 of 2 Pages			
Hole No. <u>FP35-5</u> Dies. (1994) D-5	Boring Started 12/4/85			
Co-ordinates: N 255282 E 736897	Boring Completed 12/4/85			
Orilled by Combridge & Boyet	Report Submitted			
Purpose of Exploration foundation investi	gation for a proposed			
breakwater				
Elevation Top of Hole	Casing Left in PlaceFee			
Total Overburden Drilled 19.3 Feet				
Elevation Top of Rock - 29.3 MLW MARK. Elevation Bottom of Note - 29.3 MLW MARK.				
Total Rock BrilledFeet				
Total Depth of Hole 19.3 Feet				
Core Recovered\$,			
Core RecoveredFt.;DissIn.				
Soil Samplesin. DiamHo.	Water Table Dooth <u>Sea level</u> Ec = 9.7			
Depth Method of Drilling	Heex			
o 19.3 2'14" od Pointed Probe	Ground Water Back of Page			
0 19.3 214" OD Pointed Probe	Boring Location SketchBeck of Page			
	Overbunden RecordPage			
	Rock Brilling			
	^ *			
Prepared by Fisher Flord Bata	Lab. Data			
subjected to Atlantic Testing Lobs	•			

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FIELD	LOG	OF	TE	ST E	BORIN	G Co-ordina							
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Site Jones port Harbor ME Hole No. FP85-6 Dim (25) P-6 Co-ordinates: N 255274 E 736847 Orilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration Foundation investig	ation for a proposed breakwater
Elevation Top of Nois	Vater Table Depth Stalevel Er 10.6
Prepared by Fisher	Bround Water Back of Page Boring Location Sketch Back of Page Overburden Record Page Rock Brilling Page Page Page Page

NEW EN	J.S. ARM OF ENGI IGLAND DI	NEERS	Boring No. <u>EPSS-16</u> Desig	Harbor Poge 2.01 3 Page Pb Diam. (Cosing) 55274 E 736847
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Total Overbu	rden Drille	d36e	5 Feet Hammer Dro	P 12/4/85
Elevation To	of Rock_	-44		
Total Rock E	rilled		Feet (Subscribes	
Elevation Bo	ttom of B	oring 3/a	4. THLUMSE. Obs. Well	Cambridge & Boyer
		O/ No Bow	- Mila Des Dri	11 5 HP Acker
Core Recover	ed	_/8	omtn. Inspected B	y: Fisher
Soil Sample			omNo. Classification	on By:
			am. — No. Classification	on By:
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NEW ENGLAND DIVISION FOUNDATION AND MATERIALS BRANCH FIELD LOG OF TEST BORING

Page of <u>3</u> Pages
Boring Started 12/5/85
Boring Completed 12/5/85
Report Submitted
gation for a proposed
Casing Left in PlaceFeet
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Ground WaterBock of Page
Boring Location SketchBuck of Page
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FIEL	CORPS EW &I D LO	NGLAN	ENGII ID DI	NEER VISI	ION BORIN	Boring No. <u>PPS-7</u> Desig. <u>P</u> IG Co-ordinates: N <u>25526</u>	والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج
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Total	Rock I	p or n Orillad		- 2	2	Feet Bubearloce Water	Date Page
Flevat	ion Ac	ttom:	of Bo	orlna	- 50	15 MLW MALE , Ohe Wall -	
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site Jonesport Horbor ME	NO. D.O. #8 Page 1 of 3 Pages
Hole No. FP85-8 Nies. (Casting) D-35	Boring Started 12/5/85
Co-ordinates: N 255213 E 736781	Boring Completed 12/6/85
Orilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration Foundation Theotic	gation for a proposed breakwater
Elevation Top of Hole	Casing Left in PlaceFe
Elevation Top of Rock	
Elevation Bottom of Nois 45.7 MLW NOTE	
Total Rock DrilledFeet	·
Total Depth of Hole <u>58.5</u> Feet	
Core Recovered\$	
Core RecoveredFt.;Di min.	
Soil Samplesfn. Dianflo.	Weter Table Depth Sealevel Ec = 1.4
Soil SamplesIn. DiamNo.	We ter Table Depth DECLIEVED EL = 1.4
Deeth Method of Drilling	19003
From To and Type of Bit Used	-
0 585 21/4" OD Pointed Probe	Bround WeterBack of Page
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Propared by Fisher	
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· CORPS	OF EN			Boring No.FP85-8 Desig. P3	5 Diom. (Cosing)
FIELD LO				G Co-ordinates: N 255213	المراجع والمستجد والمستجد والمستجد والمستجد والمستجد والمستجد والمستجد والمستجد والمستجد والمستجد والمستجد
Elevation To	of Bor	ing	- 7.	2 MLW MARTE. Hammer Wt. 300#	Goring Started 1215/85
Total Overbu	ווזט מפסי				Boring Completed 12/6/85
Elevation To	of Roc	k		MLWats. Cooling Left	
Total Rock E	rilled		<u>ن</u> -اد	Feet (Subserface Water	
Elevation Bo	of Borla	Boring	58.5	Feet Drilled By Can	bridge & Boyer
Total Depth	ad	%	No. Box	and to Date Drill 5	HP HCKEF
Core Recover	•d <u> </u>	Ft <u>1</u> _	Di	omin. Inspected by	
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Site Jones part Harbor ME PROJECT No. Hole No. FP85-9 Mar. (Games) P-21 Co-ordinates: N 255159 E 736106 Drilled by Cambridge+ Boyer Purpose of Exploration Loundation investigation	Report Submitted
Elevation Top of Hole	Casing Left in PlaceFeet Water Table Dooth Sea level Ec = 3.1
Preserved by Fisher From To and Type of Bit Used O 32.6 2141" OD Pointed Probe Preserved by Fisher Florid Sata Substitut by Hilamitic Testing Lock	Bround Water Suck of Page Boring Location Sketch Suck of Page Overtained Record Page Rock Brilling Page Page Page Page Page Page Page Page

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Eleva	ion Top	of Be	oring		-3.	6 MLW MESTE.	Hammer Wt. 300	Boring Started 12/6/85
Total	Over but	rden Di	11100	<u> </u>	32.1	Feet	Hommer Drop	Boring Completed 12/6/85
Eleva	tion Top	of R	ock		-36.	2 HLW MESTE.	Casing Left	
Total	Rock D	Date Page						
·Fieva	tion Bo	ttom c	f Bo	ring_	- 30	6. 2 HWHEL.	Obs. Well	hudge & Boyer
Total	Depth	of Bor	ing		32.	6 Feet	Mfg. Des. Drill 5	UD Acker
Core	Recover	ed		%	Vo. Box	8 8	Mfg. Des. Drill	sher
Core	Recover	ed		Ft	DI	omIn.		
Soil	Sample	·		<u> </u>	_In. Di	amNo.		
Soil	Sample	·	_		_In. Di	am. — No.	Classification By: _	
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Site Tonesport Harbor ME PROJECT N	0. <u>D.o. #8</u> Page 1 of <u>Z</u> Pages
Hole No. FP85-10 Dear. (855) P-22	Boring Started 15/6/85
Co-ordinates: N 255113 E 736138	Boring Completed 12/6/85
Orilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration foundation investig	ation Cora proposed breakwater
Elevation Top of Hole	Casing Left in Place
Deeth Method of Drilling From To and Type of Bit Used D 83.8 2"14" OD Pointed Profes	Bround Water Back of Page Boring Location Sketch Back of Page Overtained Record Page Rock Brilling Page Page Page Page
Preserved by FISHER FIELD BOLD Substitute by ATLANTIC TESTING L	AB

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		U. S. 1				Site Jozu	esport Harb	ON ME Page Zoi Z Pages
	CORPS					Boring No.	- ARS-10 Desig. P-6	22 Diam. (Casing)
FIEL	D LO	G O F	TES	ST E	BORIN	G Co-ordinat	es: N <u>2551/3</u>	E 736/38
Total Eleva Total Eleva Total Core	Overbution To Rock I tion Bo Depth Recover	rden Dr p of Ro Orilled_ ottom o of Borl ed	f Bo	ring.	33.3 - 31. 0 - 31 3.8	Foot 3 MLW MOLL Foot 3 MLW MOLL Foot	Casing Left Subsurface Water Obs. Well Drilled By Camb	Date Boyer HP Acker
•						smin.	Inspected By:	,
						m. No.	Classification By: Classification By:	
Soll	Sample					om No.	Classification by:	
	EPTH		/SAM		BLOWS PER FT.		AND CORING	CLASSIFICATION OF MATERIALS
0	1"= 5"	NO.	SIZE	ANGE	CORE REC'VY	OPERAT	Pointed Prol	
5					mott.			
15 16.6 17.5 18.5 19.5					10 15 32 30		-	

GENERAL REMARKS: The above drilling log has been adjusted for tidal effect so that the final probe elevation, as surveyed, matches the depth totaled during the exploration.

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900	JECT NO. 0.0. #8
Site Tones port Horbor ME	Page 1 of Pages
Hole No.FP85-11 Diam (400) P-23	Boring Started 12/6/85
Co-ordinates: N 255121 E 736188	Boring Completed $12/b/85$
Orilled by Cambridge & Pover	Report Submitted
Purpose of Exploration Sundation mues	ligation. For a proposed breakwater
ilevetion Top of Hole 7, 2 MLW MESTE.	Casing Left in PlaceFe
Total Overburden Drilled 17.6' Feet	
Tevation Top of Rock	
otal Rock Drilled Feet	
Total Depth of Nois 17.6' Feet	
Core Recovered\$	
core RecoveredFt.:Dianin.	
Soil Samplesin. BiamNo.	Water Table Death Sea level Ec = 7.5
Deeth Method of Drilling	I FORCE
o 17.6 2/4" od Pointed Proble	Bround WaterBock of Page
U III 274 UD POINTE PIBRE	Boring Location SketchBock of Page
	Overbunden RecordPage
	Rock DrillingPage
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Prepared by Fisher Field be	

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST BORING Elevation Top of Boring						Boring No. FP85-/Desig. D-5 G Co-ordinates: N_255/2/ HLW MSE. Hammer Wt. 300 Feet Hammer Drop /.5 8 MLW MSE. Casing Left Feet Subserface Water S. 8 MLW MSE. Obs. Well Feet Drilled By Cass. Inspected By: Iamin. Inspected By:	E 7.36/88 # Boring Started 12/6/85 Boring Completed 12/6/85 Date Page OMIDGE Boyer OMIDGE Boyer ISher
DI	DEPTH CORE/SAMPLE BLOWS PER FT. PER FT. PER FT. RANGE REC'VY				BLOWS PER FT.	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
5 10 15 17.6					200 H		
adj ele	NERAL usted evation ring t	for n, as	tida s su:	al e rvey	ffect ed, m	bove drilling log has been so that the final probe atches the depth totaled	

Site Tonesport Harbor ME Hole No. EP85-12 Dian. (Casing) D-24 Co-ordinates: N 255129 E 736237 Drilled by Cambridge & Bryer	Page 1 of 2 Pages Boring Started 12/6/85 Boring Completed 12/6/85 Report Submitted Hion for a proposed breakwater
Elevation Top of Hole	Veter Table Death . Sea level EL = 8.5'
Prepared by Fisher Prepared by Fisher Sumitted by Atlantic Testing Lobs	Bround Nater Suck of Page Boring Location Sketch Suck of Page Overburden Record Page Rock Brilling Page Page Page Page Page Page Page Page

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST BORING Elevation Top of Boring	Boring No. 12 Desig. P-2 Co-ordinates: N_255129 HLW M.S.L. Hammer Wt. 300° Feet Hammer Drop 1.5 HLW M.S.L. Casing Left	E 736237 Boring Started 12/6/85 Boring Completed 12/6/85		
Total Rock Drilled Elevation Bottom of Boring	Mfg. Des. Drill Sin. Inspected By:in. Classification By:	HP ALKER		
DEPTH CORE/SAMPLE BLOWS PER FT.	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS		
2 10 11 11 11 11 11 11 11 11 11 11 11 11	1/4" of Pointed Probe			
18 19 - 20 - 3 21 - 44 32 8				
23 - 46	ve drilling log has been o that the final probe ches the depth totaled			

Site Jonesport Harbor ME PROJECT N	Page of Z Pages
Hole No. FP65-13 Dies. (Garing) 0-18	Boring Started 12/0/85
Co-ordinates: N 255182 E 736254	Boring Completed 12 6 85
Orilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration foundation investigati	on for a proposed breakwater
Elevation Top of Hole	Casing Left in PlaceFeet
Elevation Top of Rock	
Soil Samplesin. DiamHo.	Weter Table Death sealevel EL = 9.5
Doeth Method of Brilling From To and Type of Bit Used D 21.7 214" OD Pointed Prolog	Bround Water Back of Page Boring Location Sketch Back of Page Coverburden Record Page Page Page Page Page Page Page Page
Preserved by Fisher Flore Date Summitted to Atlantic Testing Labor	s Utd

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST BORING					on Boring	Site Jones part Harbor Page 201 2 Pages Boring No. 13 Desig. P-18 Diam. (Cosing) Co-ordinates: N 255182 E 736 254 CLW M.S.L. Hammer Wt. 300# Soring Started 12/6/85					
Flaunt	Ion To	o of A	Porina		-6.5	HLW MAL.	lammer Wt. 30	70#	B oring	Started .	12/6/85
Total (Dverbu	rden E	riile	 b	21.7	Foot +	tammer Drop .	1.5'		Complete	12/6/85
Eleve	ion To	o of A	łock		28.2	MLW M.S.L.			Soring -	Complete 191	
Total	Rock D	rilled	1		0	Feet	Subsurface W	ater D	atel _		op
Elevat	ion Bo	ttom	of Bo	ring.	- 28.	7 MLW	Obs. Well		1 . 1		·
Total	Depth	of Bo	ring	 	21.7	Fast 1	Drilled By	Lai	mbridg.	<u>e 9 00</u>	yer
Core F	tecover	•d		% (No. Bozes		Mfg. Des. Dri II	5	HP H	cher	
Core 1	Recover	•d		Ft <u>L</u>	Dia	m. <u> </u> tn.	Inspected By	-	FISHE		
						mNo.	Classification	By: _			
						m No.	Classification	Ву:			
	PTH		RE/SAN			SAMPLING AN	D CORING			<u> </u>	
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ad; ele	NERAL justed evations	i for	r tid as su	al o	effect yed, ma	ove drilling so that the f tches the dep	final probe	:		•	

Site <u>Jonesport Harbor</u> Hole No.EP85-14 Dism. (Rating) P-20 Co-ordinates: N <u>255/67</u> E <u>736/56</u>	Boring Started 12/7/85 Boring Completed 12/7/85
Purpose of Exploration foundation investigation	for a proposed breakwater
	Casing Left in PlaceFeet
Total Overburden Drilled 34.0 Feet Elevation Top of Rock 32.4 MLW Matt. Elevation Sottom of Hole 32.4 MLW Matt. Total Rock Drilled 0 Feet Total Depth of Hole 34.0 Feet Core Recovered Ft.: Dim. In. Soil Samples In. Dim. Ho.	Water Table Dooth Sealevel Ec = 9.9"
Booth Mothod of Brilling From To and Type of Bit Used O 24.0 2/4" OD Pointed Probe	Bround Water Back of Page Boring Location Sketch Back of Page Overburden Record Page Rock Brilling Page
Propared by Fisher Field Belon Substitud by Atlantic Testing Labs	L+d

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Elevat	ion To	01 8	loring		24.0	MCW Control of Street 1.5	101-105
Total	Overbu	rden D	riiie:	ئــــــــ <u>ا</u>	27.0	Feet Stammer Drop 1.5	Boring Completed 12/7/85
Elevol	tion To	p of R	lock		$\mathcal{O}^{\omega_i,U}$	Feet (Subserface Water)	Dote Page
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_					OU. D	Seet Drilled By	imbridge & Boyer
	_			0/ 4	V- 8	. — Maro Des Drill <u>⊅</u>	HP MICKEL
Core 1	Recover Recover	•d		Ft :	— Die	mtn. inspected By:	Fisher
Soli (Samole				_in. Dic	m. —No. Classification By:	
Sail 4	Samale				_In. Dic	m. No. Classification By:	·
	EPTH		E/SAN		PER FT.	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIA
0	1.5	NO.	SIZE	RANGE	REC'VY		
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Site Tonesport Horbor ME PROJECT	NO. D.O. # 8 Page 1 of Z Pages
Hole No. FP85-15 Den. (Cashing) P-19	Boring Started 12/7/85
Co-ordinates: N 256175 E 736205	Boring Completed 12/7/85
Drilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration foundation muestic	gation for a proposed breakwater
Elevation Top of Hole — 6.2 MLW HEST: Total Overburden Drilled _ 20.8 Feet	Casing Left in PlaceFeet
Elevation Top of Rock	
Elevation Sottom of Note	
Total Rock Orilled	
Total Depth of Hole 20.6 Feet	•
Core Recovered\$	
Core RecoveredFt.;Dimin.	·
Soil Samplesin. DianNo.	
Soil SamplesIn. DiamHo.	Water Table Depth scalevel Ec = 9,0'
Depth Method of Drilling	ling.
From To and Type of Bit Used	
0 20.8 214" OD Pointed Probe	Bround Water Back of Page Boring Location Sketch Back of Page
	Overlanden RecordPage
	Rock Brilling Page
Prepared by Fisher Field Data	Lab. Deta
subject & Allawic Testing Lat	os Ud

CORPS OF NEW ENGLA	ARMY ENGINEERS AND DIVISION OF TEST BOR	Boring No. 15 Desig. P ING Co-ordinates: N 255/	75 E 736 205
Elevation Top of Total Overburden Elevation Top of Total Rock Drill Elevation Botton Total Depth of E Core Recovered Core Recovered Soll Samples	Boring	Hammer Wt. 300 How MSE. Casing Left	Boring Completed 12/2/85 Date Wage Cambridge & Boyer FISHER
DEPTH CO	SIZE RANGE REC	I. I	CLASSIFICATION OF MATERIALS
	Lex	214" 00 Pointed Probe	
	EMARKS: The	above drilling log has been ct so that the final probe matches the depth totaled	

Site Jonesport Harbor ME PROJECT	NO. D.O. # 8 Page 1 of 3 Pages
Mole No. FP85-16 Bins. (800) P-17	Boring Started 12/7/85
Co-ordinates: N 255190 E 736304	Boring Completed 12/7/85
Orilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration Foundation Truestic	gation for a proposed breakwater
Elevation Top of Hole -8.9 MLW Maste.	Casing Left in PlaceFee
Total Overburden Drilled <u>28.5</u> Feet	Casing Cart in Pisco
Elevation Top of Rock	
Elevation Bottom of Hole -37.4 MLW Mult.	
Total Rock DrilledFeet	
Total Depth of Hole 28,5 Feet	
Core Recovered\$	
Core RecoveredFt.;Di mIn.	
Soil Samplesin. DiamNo.	
Soil SamplesIn. DiamNo.	Water Table Booth <u>Sea level</u> EL = 6.5'
Depth He thod of Drilling	159621
From To and Type of Bit Used	Ground Water Sack of Page
0 88,58 1/4" OD Pointed Proke	Boring Location SketchBock of Page
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FIELD Elevation Total Ro Elevation Total Re Core Rec Core Rec Soil Sail	LOG OF Top of Interpretate Inte	Rock of Borings	BORING - 8 37 - 0 - 37 - 28.5 No. Boxes - Dio	Boring No. 16 Desig. P17 Co-ordinates: N_ 255190 9 HLW M.S.L. Hammer Wt. 300 5 Feet Hammer Drop 1.5 Lynumes: Cooling Left	Boring Started 12/7/85 Soring Completed 12/7/85 Date Page Thorodge & Boyer HD Acker Fisher
DEP		RE/SAMPLE		SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
5	mulmulmilm		mott	21/4 ? OD Pointed Proble	
adjus eleva	ted for	MARKS: r tidal as surve explorat	effect yed, ma	ove drilling log has been so that the final probe tches the depth totaled	

Sile Jo	mesp	ort	440	arl	001	HE	Boring No. FP-85-16	 P-17	Page 3 of 3	
	EPTH	COR	E/SAI		PER PT. CORE REC'VY		NG AND CORING	CLASSIFICATION OF	MATER IALS	
				RANGE						<u>;</u>
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PROJECT TO THE PROJECT	NO. D.O. #8
Site Jonesport Harbor ME	Page 1 of Z Pages
Hole No. <u>FP85-17</u> Diem. (CASE) D-16	Boring Started 12/7/85
Co-ordinates: N <u>258196</u> E <u>736353</u>	Boring Completed 12/7/85
Drilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration Countration investiga	tion for a proposed breakwater
Elevation Top of Hole	Casing Left in PlaceFeet
Total Overburden Drilled 15.5 Feet	
Elevation Top of Rock	
Elevation Bottom of Hole -27.8 MLW Mark.	
Total Rock BrilledFeet	
Total Depth of Hole 15.5 Feet	
Core Recovered\$ Core Recovered\$ In.	
Soil Samples	
Soil Samplesin. DiamHo.	Water Table Dooth <u>Sea level</u> Ec = 3.5
Deeth Method of Drilling From To and Type of Bit Used	1 1 1 0 C 2
0 15.52/4" 00 Pointed Probo	Sround Water Back of Page
	Boring Location SketchBock of Page
	Overturden RecordPage
	Rock BrillingPage
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Total Rock Drilled	FIELD LO Elevation To Total Overbu Elevation To	p of Borin irden Drille p of Rock	NEERS IVISION EST BORING -/2. d/5.5 -27	Boring No. 17 Desig. P1. G Co-ordinates: N Z55198 3 MLW MS-L. Hammer Wt. 305 Feet Hammer Drop 1.3	Soring Started 12/7/85 Soring Completed 12/7/85
DEPTH CORE/SAMPLE BLOWS PER FT. O 1° 5′ NO. SIZE RANGE REC'Y AND DEPTH CORE RANGE REC'Y O PERATIONS CLASSIFICATION OF MATERIA O POINTED Probe 1.55 1.55 4 4 7/5 8 1.55 4 8 1.55 4 8 1.55	Elevation Bo Total Depth Core Recover Core Recover Soil Sample	of Boring_ ed ed	15.4 15.4 No. Boxe Ft : Did In. Did	Feet Drilled By Mfg. Des. Drill imininspected By: imNo. Classification By:	ambridge & Boyer HD Acker Fisher
5 -	DEPTH	CORE/SA	MPLE BLOWS	SAMPLING AND CORING	CLASSIFICATION OF MATERIALS
GENERAL REMARKS: The above drilling log has been	11.5 13.5 14.5 15.5		6 4 8 45 50/01		

site Jonesport Harbor ME PROJECT I	NO. D.O. #8
site Jonesport Harbor ME	Page 1 of Pages
	Boring Started 12/7/85
Co-ordinates: N 256205 E 736403	Boring Completed 12/7/85
Orilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration foundation in vestic	ation for a proposed breakwater
Elevation Top of Hole	Casing Left in Place
Total Overburden Drilled 13.5 Feet	
Elevation Top of Rock	
Elevation Bottom of NoteNEST.	
Total Rock BrilledFeet	
Core Recovered\$	
Core RecoveredFt.:Dlamin.	
Soil Samples	
Soil SamplesIn. DiamNo.	Weter Table Depth Sea water EL = 2.7
Deeth Method of Brilling	19903
D 13.5 214" OD Pointed Probe	Ground Water Back of Page
N 15.0 214 DD PAINTED FILE	Boring Location SketchBock of Page
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Propored by Fisher Field Bota Sumitted by Atlantic Testing Lab.	s 1+0
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FIEL Elevat	CORPS EW EN D LOC Ion Top Overburn	GLAND OF OF Bo	TE:	ST (BORIN -:9.0 13.5	Boring No.	PP-85- 18 Designation Designa	9 <u>P 15</u> 55 Eo: 300#	## Page 201 2 Page Diam. (Cosing) ### 736403 Boring Started 12/7/85 Boring Completed 12/7/85
Total Elevat Total Core R Core R Soil S	Rock Di ion Bot Depth o ecovers tecovers	tom of Borin	Bo	ring. % 4 F1:	- 2: //3.5 No.Box - Di - In. Di	Feet	Obs. Well Obs. Well Orilled By Mfg. Des. Dri Inspected & Classificati Classificati	Water C	Cambridge & Boyer HP Acker Fisher
 					PER FT. CORE REC'VY	OPERAT			CLASSIFICATION OF MATERIAL
5 10 13.5 13.5					100	21/4"00	ointed Pr	-obe	

Boring No. <u>FP85-18</u>

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Site Jonesport Harbor ME PROJECT	NO. D.O. #8 Page 1 of Z Pages
Hole No. <u>FP86-19</u> Diem. (25 mg) P-14	Boring Started 19/7/85
Co-ordinates: N 255213 E 736452	Boring Completed 12/7/85
Orilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration foundation investigation	on for a proposed breakwater
Elevation Top of Hole	Casing Left in PlaceFee
Elevation Top of Rock	
Core Recovered	Water Table Dooth Sealevel EL = 1.7'
	I SOCE
Deeth Method of Drilling From To and Type of Bit Used O 14.7 2/4" OD Dointed Probe:	Bround Mater Back of Page Boring Location Sketch Back of Page Overtenden Record Page Rock Brilling Page Page Page
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Present by Fisher Flore Sets Substitute by Atlantic Testing Lubs	Ltd

FIEL		G OF	TE	ST E	BORING	Boring No. 19 Desig. P 19 Co-ordinates: N 255 213 HLW M.S.L. Hammer Wt. 300* Feet Hammer Drop 1.5	736452 Poring Started 12/7/85
Elevo	tion To	of R	ock _		-25.	CO MLW MET. Cosing Lett	
Total Core i	Depth Recover	ttom (of Bor	of Bo	oring. // // // F1:	- 25 6.7 No.Boms	Feet Bebertoce Water	ambridge & Boyer -HP AcKer Fisher
Sall	Samole	B			_ #N. 1010	m. No. Classification By:	
D	EPTH 1° 5'		E/SAI	MPLE	BLOW8	SAMPLING AND CORING	CLASSIFICATION OF MATERIALS
5 10 13.5 14.5 15.6 14.8 7-710					25 27 128 750/2°	2/4" 00 Pointed Probe	
ad el	NERA juste evations	d for	r tid as su	dal e	effect yed, ma	ove drilling log has been so that the final probe atches the depth totaled	

Site	mesport flarbor ME PROJECT	NO. D.D. # 8 Page 1 of 2 Pages
Hole No.	FA-85-20 P-13	Boring Started 12/7/85
Co-ordin	ates: N <u>255221</u> E <u>736502</u>	Boring Completed 12/7/85
Drilled	by Cambridge & Boyer	Report Submitted
Purpose	of Exploration foundation muestige	Hion-fora proposed breakwater
Elevation	Top of Hole - 6.6 MLW H.S.L.	Casing Left in PlaceFeet
	rburden Brilled 19.0 Feet Top of Rock -25.6 HLW MSSL	
	Bottom of Mole 25-Le MLW Mater	
	k Drilled Feet	
	th of Note 19.0 Feet	
	vered\$	
	veredft;linlin.	·
	lesIn. DiesNo.	Water Table Dooth SECO LEVEL EL = 1.5'
Dogth	Me thod of Drilling	110CX
From To	0 21/4" 00 Pointed Probe	Bround WaterBack of Page
0 1/9.0	0 J/4 BB PARTER FIRE	Boring Location SketchBeck of Page
		Overteinden RecordPage
		Rock BrillingFage
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	Princed to Fisher	
	Propaged by Fisher Floid Data Substitute by Atlantic Testing Lab	e led al

Elevation Top of B Total Overburden D Elevation Top of R Total Rock Drilled Elevation Bottom Total Depth of Bot Core Recovered Core Recovered	TEST BORING TEST BORING oring6.6 rilled19.0 ock25.6 of Boring26.6 ing19.0 % No.Boxesfi : Diamin. Diam	Boring No. 80 Desig. P 1. Co-ordinates: N 255 ZZ MLW MARK. Hammer Wt. 300 F Feet Hammer Drop 1/5 PMLW MARK. Cosing Left 1 Feet Isubscribes Water I	Boring Started 12/7/85 Boring Completed 12/7/85 Date: Page — Ambridge & Beyer HD Acker Fisher
•	E/SAMPLE BLOWS PER FT.	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
6 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MARKS: The about tidal effect says surveyed, materials	ove drilling log has been so that the final probe tches the depth totaled	

Site Jonesport Harbor ME PROJECT	NO. D.o. #8 Page 1 of 3 Pages
Hole No. FP85-31 No. (Ching) P-12	
Co-ordinates: N <u>855829</u> E <u>736561</u>	Boring Completed 15/7/85
Orilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration <u>Foundation</u> muestiged	tion for a proposed breakwater
Tevation Top of Hole	Gasing Left in Place
Depth Method of Drilling From To and Type of Bit Used O 26.8 2/4" OD Pointed Protoc	Bround Water Back of Page Boring Location Sketch Back of Page Overterden Record Page Rock Brilling Page Page Page Page
Propared by Fisher Floid Data Substitute by Allandic Testing Loc	65 L40

FIEL	CORPS	G OF	ENGIA D DI	NEER VISI ST (BORING	Boring No. 21 Desig. Pl. Co-ordinates: N 255228	₹ 736551
Fleval	lon To	o of 8	oring		-0.8	MLW MATE. Hammer W1. 300	Soring Started 12/7/85
Total	Overbu	rden D	rille	d	28.8	Feet Hommer Drop 1.5	Boring Completed 12/7/85
Elevo	tion To	of R	ock _	_	37.6	MLW MER. Cooling Left	Soring Compresso
Total	Rock E	rilled			0	Feet Subsurface Water	DotePop
Elevo	tion Bo	ttom	of Bo	oring	-37	6 MINNEL. Dobs. Well	who doe & Barrer
Total	Depth	of Bor	ing	3	8.8	Feet Drilled By Co	HO Dellar
Com	Berover	ad T		% 4	No. Boxes	## ## ## ## ## ## ## ## ## ## ##	THE THERE!
Core 1	Recover	•d		Ft <u>:</u>	Dio	mtn. Inspected By:	1 101121
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Soil	Somples				_In. Dio	m. No. Classification By:	
.DI	EPTH	COR			BLOWS PER FT.	SAMPLING AND CORING	CLASSIFICATION OF MATERIAL
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Site_Jo	nesport dat-bor PROJECT	NO. D.O. # 8 Page 1 of 3 Pages
Hole No. E	P35-32 Diam (2009) P-11	Boring Started 15/7/85
Co-ordina	tes: N <u>255244</u> E <u>736850</u>	Baring Campleted 12/7/85
Orilled by	Cambridge & Boyer	Report Submitted
Purpose of	f Exploration foundation investig	ation for a proposed breakwater
Elevation T	op of Hole 7.3 MLW_NLS.t.	Casing Left in PlaceFeet
Elevation T Elevation B Total Book Total Depth Core Recove Core Recove Soil Sample	Second S	Water Table Death Spalevel EL = 3.1'
Deeth	Method of Drilling	199C)
6 0 27.7	and Type of Blt Used 21/4" OD Pointed Proble	Bround Water Back of Page Boring Location Sketch Back of Page Overterden Record Page Rock Brilling Page Page Page Page
	Present by Fisher Flore Date Substitute by Halandic Testing La	ibs Ud

FIEL	CORPS	OF I	TES	EERS ISION ST BORIN	Boring No	#P-86- 0. <u>38</u> Des	ic. P11 5524	Diom. (Cosing) 1
Total	Overbu	rden D	rilled	27.1	Foot	Hammer Dr	op	Boring Started 12/7/85
Eleva	tion To	p of R	ock	- 35.0	HLW MAN	. Casing Lef	1	-
Total	Rock t	Deliled		25-1	Feet	<u> </u>		
Elevo	tion Bo	ottom (of Bor	1ng - 30,0	Feet	Drilled By	Can	bridge & Boyer
					•		111 <u>5</u>	HP Acker
					omtn.		8y:	Fisher
				-	mNo.	Classificat	tion By: _	
					omNo.	Classifica	tion By:	
				PLE BLOWS				
	EPTH	NO.	SIZED	ANGE REC'VY	OPERA			CLASSIFICATION OF MATERIALS
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						ME		5-22	1	P-11		01_		1
	EPTH I*• 5"	NO	SIZE	MPLE DEPTH	BLOWS PER FT. CORE REC'VY		NG AND C	ORING		CLASSIFI	CATION OF	MATER	ALS	
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Site Jonesport Harbor ME PROJECT N	NO. <u>D.O. # 8</u> Page 1 of <u>Z. Pages</u>
Hole No. F185-23 ham. (65) P-32	, ,
Co-ordinates: N 255190 E 736633	Boring Completed 12/8/85
Orilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration foundation muesting	ution for a proposed breakwaters
Elevation Top of Hole HLW NLS.L.	Casing Left in PlaceFeet
Total Overburden Drilled <u>22.0</u> Feet Elevation Top of Rock <u>31,9 MLW Mast.</u>	
Elevation Bottom of Note31.9 MLW MARKE.	
Total Rock BrilledFeet	
Total Depth of Hole 22.0 Feet	
Core Recovered	
Soil Samplesin. DissNo.	
Soil Samplesin. DiamNo.	Water Table Dooth Sea level Ec.=11.3'
Deeth Method of Brilling From To and Type of Bit Used	1800X
0 22.0 21/4" OD Pointed Probo	Bround WaterBack of Page
	Boring Location SketchBeck of Page
	Overtorden RecordPage
	Page
	Paga
Present by Fisher	
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CORPS NEW EI FIELD LO Elevation To Total Overbu Elevation To Total Rock E Elevation Bo Total Depth Core Recover Core Recover	p of Boring rden Drille p of Rock Drilled ettom of Boring ed ed ed 8	NEERS IVISION ST BORIN - 9.9 Id	Boring No. 23 Desig. P3 Co-ordinates: N_255190 MLW MSE. Hammer Wt. 32 MLW MSE. Casing Left Feet Subsurface Water SI. 9 MLW.SE. Obs. Well O Feet Drilled By Car Mfg. Des. Drill 5 amin. inspected By:	Boring Started 12/8/85 Boring Completed 12/8/85 Date Page Mbridge & Boyer HD Acker Fisher
DEPTH		MPLE BLOWS PER FT. DEPTH CORE RANGE REC'VY	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
10 11 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15		LOOH 4 2 4 3 5 6 13 17 14 23 5010**	bove drilling log has been	

site Jonesport Harbon ME PROJECT NO	Page 1 of <u>Z</u> Pages
Hole No. FP85-24 Dies. (63) D-31	Boring Started 12/8/85
Co-ordinates: N 255183 E 736583	Boring Completed 12/8/85
Orilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration Coundation investigation	ion for a proposed breakwater
Elevation Top of Hole	Casing Laft in PlaceFeet
Total Overburden DrilledFeet	
Elevation Top of Rock	
Elevation Bottom of Hole33.2 MLW Mat.	
Total Rock BrilledFeet	
Total Depth of Hole 23.1 Feet	
Core Recovered \$ Core Recovered Ft.; Dim In.	
Soll Samplesin. DissNo.	
	Water Table Dooth Sealevel EL = 7.7'
Deeth Method of Drilling	18903
From To and Type of Sit Used	Ground Water Back of Page
0 23.121/4"00 Pointed Probe	Boring Location SketchBock of Page
	Overtenden RecordPage
	Rock DrillingPage
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Prepared by Fisher Field Data	Lab Data
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Eleva Total Eleva Total Eleva Total Core	Overbuition Top Rock Dation Bo Depth Recover	o of Borden D o of R orilled of Borden of Borded	oring rille ock of Sc ing	oring.	- 10.1 - 23.1 - 3 - 3 - 3.1 No. Box	Feet Hammer Wr. 300 - 1.5 2 MLW MSE Cosing Left	Boring Started 12/8/85 Boring Completed 12/8/85 Date Page Mbridge & Boyer HP Acker Fisher
Soil						am. No. Classification By:	
0	P. 5	NO.		DEPTH	PER FT. CORE REC'VY	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
5 .10					₩ОН 3 2	214" OD Pointed Probe	
15 110 17 17 19 20					1 1 2 11 13 32 47	-	

Site Jonesport Harbor HE PROJECT NO	D.O.#8 Page 1 of 2 Pages
Hole No. FP85-25Dien. (Cesting) P-30	Boring Started 12/8/85
Co-ordinates: N 255175 E 736534	Boring Completed 12/8/85
Orilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration foundation investigation	- For a proposed breakdown
Elevation Top of Hole8.8 MLW NATA	Casing Left in PlaceFeet
Total Overburden Drilled	
Soil SamplesIn. DiamRo.	Water Table Dooth Sea level EL = 39'
Depth He thad of Drilling From To and Type of Sit Used	+ -
D 34.5 214" OD Pointed Probe	Bround Water Sack of Page
	Overturden Record
	Rock DrillingPage
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	Pogo
Privated by Fisher Field Date Substitute by Atlantic Testing Labs 1	4-cl

CORPS NEW E	U.S. ARMY OF ENGIN NGLAND DIV	EERS VISION	Boring No. 25 Desig. P3	
FIELD LO	G OF TE	ST BORING		
Elevation To	p of Boring	-8.8	<u>нью М.З. L.</u> Hammer W1. 300°	Boring Started 12/8/85
Total Overbu	rden Drille	24.6	Feet Hammer Drop 1.5	Boring Completed 12/8/85
Elevation To	p of Rock	33.3	MIN M.S.L. Cosing Left	But my somptone
Total Rock	Drilled		Feet Subsurface Water	Dotal Page
Elevation Bo	ottom of Bo	ring <u>-33.3</u>	HLW MST. Obs. Well	- 1 la El Parlac
Total Depth	of Boring_	24.5		mbridge & Boyer
				HD Acker Fisher
		Ft : Dio		
		In. Dia		1
Soil Sample	9	In. Dia	mNo. Classification By:	
DEPTH		PLE BLOWS PER FT.	SAMPLING AND CORING	CLASSIFICATION OF MATERIALS
1 5	NO. SIZE	RANGE REC'VY	OPERATIONS	CLASSIFICATION OF MIXTEN
			21/4" OD Pointed Proble	
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<i>3</i> 3.5		98		
24.5		92	-	<u> </u>
GENERAL	REMARK	Si The ah	ove drilling log has been	,
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elevatio	n, as sui	rveyed, ma	tches the depth totaled	·
during t	the exploi	ration.	·	
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8(Test)		•	Boring No. <u>EP-85-25</u>	

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lite Jonesp	ort Harbor ME PROJE	CT NO. D.O. # 8 Page 1 of Z_ Pages
lole No. <u>FP৪৩</u> -	260 Draw. (Casing) P-29	Boring Started 12/8/85
lo-ordinates:	N <u>255167</u> E 736484	Boring Completed_12/8/85
rilled by <u>Ca</u>	mbridge ? Boyer	Report Submitted
urpose of Expl	oration foundation inves	ligation for a proposed breakwater
evation Top of	Hole - 9.0 MLW M.S.L.	Casing Laft in PlaceFo
	Drilled 30.0 Feet	
evation Top of	Rock	
evation Bottom	of Note -29.0 MLW MASTE	
	d Feet	
tal Depth of No	1e 200 Feet	
·	<u> </u>	
	Ft.;DiIn.	.com mark
	in. Di	10.00
oll Samples	in. Dien. Ho.	Water Table Dooth sea level EL. = 1.2'
Dee th	Method of Drilling	18903
Fram To	and Type of Bit Used	Ground WaterBack of Page
D 30.0 21/4	" on Pointed Probe	Boring Location SketchBock of Page
		Overterden RecordPage
		Rock BrillingPage
Prope	red by Fisher Flore Bate Red by Atlandic Testing	Lab. De La

CORPS NEW E	U.S. ARMY OF ENGINEE NGLAND DIVIS	BORING	Boring No. 25 Desig. P20 Co-ordinates: N 255 167	E 736 484
Total Overbu Elevation To Total Rock Elevation B Total Depth Core Recover	p of Rock Drilled oftom of Borin of Boring	20.0 -29.0 g - 29.0 20.0 No.Boxes	Feet dammer Drop 10 MCW MEST. Casing Left 19 Feet Bubertace Water 19 Option Drilled By Community 19 Mfg. Des. Drilled By 19 In. Inspected By: 19	Dorel
DEPTH	CORE/SAMPLI	In. Diam	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIAL
10 -14 -15 -16 -17 -18 -19 -20		10 23 47 48 37 58 50/0*	2/4" OD Pointed Proble	
adjusted elevation	REMARKS: d for tidal on, as surve the explorat	effect so	ve drilling log has been that the final probe ches the depth totaled	

Site Jonesport Horbor ME	NO. D.O. ± 8 Page 1 of ≥ Pages
Hole No.FP85-27 Diem. (Carroy) P-28	· / /
Co-ordinates: N 255160 E 736435	Boring Completed 12/8/85
Orilled by Cambridge & Boyer	Report Submitted
Purpose of Exploration Coundation Towestig	gation for a proposed breakwater
Elevation Top of Hole	Casing Left in PlaceFeet
Total Overburden Drilled 18.5 Feet Elevation Top of Rock 36.5 FLW Mark. Elevation Bottom of Hole -26.5 HLW Mark. Total Rock Drilled 0 Feet	
Total Depth of Hole /8.5 Feet Core Recovered	
Soll SamplesIn. DiamHo.	Water Table Death Sea level EL, = 0.2'
Depth Method of Brilling From To and Type of Sit Used	18003
0 18.5 2/4"00 Dointed Probo	Boring Location SketchBack of Page
	Overburden RecordPage
	Rock BrillingPage
Prepared by Fisher Fletd Date Substitute by Atlantic Testing Lab	Lak DaGa
sublitted & Atlantic Testing Lab	s Lyd.

FIE	CORPS NEW E	NGLAN	ENGII ID DI	NEER VISI	ON	Boring No. 27 Desig. PZ	8 Diam. (Cosing)
Elev Tota Elev Tota Core Core	ation To of Overbu ation To of Rock of Depth of Recover	p of 8 urden D p of R Drilled oftom of Bor red	oring ock_	d	-8 18. -26 -26 3.5 No. Box	O MLWSER. Stammer Wt. 300 5 Feet Stammer Drop 1.5 .5 MLW MSE. Casing Left Feet Subserface Water 5 MLW MSE. Dbs. Well Feet Drilled By amin. Inspected By: amNo. Classification By:	Boring Started 12/8/85 Boring Completed 12/8/85 Date Hope HP Acker Fisher
<u> </u>	Sample DEPTH	COR	E/SAI	MPLE	BLOWS	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
5					шон	214" 00 Pointed Probe	
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a e		l for	tid s su	al e rvey	ffect ed, ma	ove drilling log has been so that the final probe atches the depth totaled	

Site JONES PORT HARBOR PROJECT N	0. D.O. = 8 Page 1 of Z Pages
Hole No. FP85-28 Dien. (Casing) P-27	Boring Started 12 /8 /85
Co-ordinates: N 255/52 E 736 386	Boring Completed 12 /8 /85
Orilled by CAMBRIDGE + BOYER	Report Submitted
Purpose of Exploration FOUNDATION INVESTIGATION INVESTIGATION	STIGATION FOR A PROPOSED
Elevation Top of Hole	Gasing Left in PlaceFeet Water Table Depth SEA LEVEL Ex = 0.7'
Depth No thod of Drilling From To and Type of Bit Used O 10.0 214 POINTED PRUBE	Bround Water Back of Page Boring Location Sketch Back of Page Overtained Record Page Rock Drilling Page Page Page Page Page Page
Preserved by FISHER Floid Data Substituted by ATLANTIC TESTING	LAB.

U.S. CORPS OF E NEW ENGLAN	ENGINEERS D DIVISION TEST BORING	Boring No. FP -85 Desig. P2 Co-ordinates: N 25515	Z E 736386
Elevation Top of B Total Overburden D Elevation Top of R Total Rock Drilled Elevation Bottom Total Depth of Bor Core Recovered Core Recovered	oring	HLW MAL. Hammer W1. 300 H	Boring Started 12/8/85 Boring Completed 12/8/85 Dote: IPOP mbridge & Boyer SHP Acker Fisher
DEPTH COR	E/SAMPLE BLOWS PER FT. SIZE RANGE RECYCY	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
GENERAL REL adjusted for elevation, a	MARKS: The abortidal effect so	ve drilling log has been o that the final probe	

Site JONESPORT HARBOR PROJECT	NO. <u>D.O. #8</u> _ Page 1 of <u>Z</u> Pages
Hole No. FP-85-29 Nim (55) P-26	Boring Started 12/8/85
Co-ordinates: N 255/44 E 736 336	Boring Completed 12/8/85
Orilled by CAMBRIOGE + BOYER	Report Submitted
Purpose of Exploration Foundation INVE BREAKWATER	STIGATION FOR A PROPOSED
Elevation Top of Hole	Casing Left in PlaceFeet
Soll SamplesIn. DiamNo.	Water Table Deeth SEALENEL EL = 0.8'
Depth Method of Drilling From To and Type of Bit Used	18003
O 16.0 Z'H OD PROBE	Bround Water Back of Page Boring Location Sketch Back of Page Overlanden Record Page Rock Drilling Page Page
Property to FISHER	<u></u>
Propared by FISHER Floid Bota Sumitted by ATLANTIC TESTING	G LAB

Total Overbur Elevation Top Total Rock D Elevation Bo Total Depth o Core Recovere Core Recovere	of Boring den Drille of Rock rilled trom of Bo of Boring ed	- 7.0 16.0 - 23. 0 16.0 16.0 No.Box Ft: Dir In. Dir In. Dir	G Co-ordinates: N 25514 Co MLW MSL. Hammer Wt. 300 # Co MLW MSL. Casing Left Feet Bebeerface Water G MLW MSL. Obs. Well Feet Drilled By Mfg. Des. Drill amtn. Inspected By: amNo. Classification By: ComNo. Classification By:	Boring Started 12/8/85 Soring Completed 12/8/85 Date
DEPTH	90 0175	PLE BLOWS PER FT. DEPTH CORE RANGE REGION	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
5 1 1 1 1 1 1 1 1 1	REMARK	WoH 12 121	ove drilling log has been	

SITE JONES PORT HARBOR PROJECT	NO. D.o. FO
Hole No. FP-85-30 Dies. (Casing) P-25	Boring Started 12 /8/85
Co-ordinates: N <u>255137</u> E <u>736287</u>	Boring Completed 12 /8 /85
Drilled by CAMBRIDGE & BOYER	Report Submitted
Purpose of Exploration FOUNDATION INVO	ESTIGATION FOR A PROPOSED
Elevation Top of Hole	Gasing Laft in Place
Doeth Method of Brilling From To and Type of Bit Used O 27.8 Z'IA" OD PROBE	Bround Water Back of Page Boring Location Sketch Back of Page Overburden Record Page Rock Brilling Page Page Page Page
Preserved by FISHER FIELD BOLLE SUBJECTED BY ATLANTIC TESTING	LAB_

CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST BORING Co-ordinates: N 255137 Elevation Top of Boring 7.1 HLW MAIL. Total Overburden Drilled 27.8 Feet Hammer Wt. 300 Boring Completed 12/8/85 Elevation Top of Rock 34.9 HLW MAIL. Casing Left Boring Completed 12/8/85 Elevation Bottom of Boring 34.9 HLW MAIL. Total Rock Drilled O Feet Subserface Water Date Page Elevation Bottom of Boring 37.8 Feet Drilled By Cambridge & Borier Core Recovered 76 No. Boxes Mfg. Des. Drill 5 FIS HER Core Recovered Ft: Diam. In. Inspected By: Fisher Soil Samples In. Diam. No. Classification By: Soil Samples In. Diam. No. Classification By:							
DEPTH	CORE/	SAMPLE DEPTH	BLOWS	SAMPLING A		CLASSIFICATI	ON OF MATERIALS
5		RANGE	WOH	Z 14 O D			
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SILE JONES PORT HARBOR, ME								Boring 1	No.			Page 3		
	Ų	ONE	s 1201	er .	HAA	RBOR ,	, ME	= FP-85-30			-25	01 _3	1	
	(DEPTH		E/SA	MPLE	BLOWS PER FT.		NG AND C	DRING	CLASSIFICATION OF MATERIALS				
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NEW ENGLAND DIVISION FOUNDATION AND MATERIALS BRANCH FIELD LOG OF TEST BORING

SITE DONES PORT HAR!	PROJECT NO	. <u>D 0, #8</u> Page 1 of <u>Z</u> Pages	,
Hole No. FA-85-3/ Dient (Casting)	P-10	Boring Started $12/9/8$	5
Co-ordinates: N 255244 E 7	736650	Boring Completed $12/9/85$	
Orilled by CAMBRIDGE +	BOYER	Report Submitted	
Purpose of Exploration Foun. BREAKWATER	DATION INVEST	BATION FOR A	PROPOSED
Elevation Top of Hole	Foot SMLW MAST. Foot Foot Foot In. No.	Casing Left in Place	Foot
Deeth Method of From To and Type of 0 18.3 2 4 00 Point	BIT Uned TED PROBE	Bround Water Boring Location Sketch Overburden Record Rock Orilling	
Property From Substitute by ATLA	HER FIELD BOLD WTIL TESTING	LAB	14

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST BORING	Site Jones Port Harbo FP-85 Boring No31 Desig. P-10 Co-ordinates: N 255244	
FIELD LOG OF TEST BORING Elevation Top of Boring	Feet Hammer Wt. 300 Feet Hammer Drop 1.5 Feet Hammer Drop 1.5 Feet Subscribes Water E MLW MGL. Obs. Well Feet Drilled By Can Mtg. Des. Drill 5 In. Inspected By: No. Classification By:	Boring Started 12/9/85 Boring Completed 12/9/85 Date 12/9/85 mbridge & Boyer HP ALKER FISHER
- lou owe	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS
5 WOH WO	e drilling log has been that the final probe hes the depth totaled	

Boring No. FP-85-31

NEW ENGLAND DIVISION FOUNDATION AND MATERIALS BRANCH FIELD LOG OF TEST BORING

Site	ONESPORT HARBOR PROJECT	NO. <u>D.0.</u> #8 Page 1 of <u>3</u> Pages
Hole No.	FA-85-32 Dien. (Carring) P-9	Boring Started $\frac{12}{9/85}$
Co-ordina	ites: N <u>255 251</u> E <u>736 699</u>	Boring Completed /2/9/85
Orilled t	M CAMBRIOSE + BOYER	Report Submitted
_	of Exploration <u>FOUNDATION</u> INV AK WATER	ESTIGATION FOR A PROPOSED
Total Over Elevation Elevation Total Rock Total Depti Core Recov Core Recov Soil Sample	Top of Hole	Casing Left in Place
Deeth	Method of Drilling	18963
From To	and Type of Bit Used	
0 41.	1 2/4" OD POINTED PRUBE	Bround Water Back of Page
		Boring Location Sketch Bock of Page
		Overteinden RecordPage
		Rock BrillingPage
 		
	F	
	Prepared by //5 Field Data	Lik dita
	Preserved by FIS HIER FIELD DATE SUBSILLAR LA ATHANTIL TESTING L	AB

U.S. ARMY CORPS OF ENGINEERS	Site Jonesport Harbor Page 201 3 Pages Boring No32 Desig. P9 Diam. (Cosing)						
NEW ENGLAND DIVISION		· ·					
FIELD LOG OF TEST BORING	Co-ordinates: N_ 25525						
Elevation Top of Boring	MLW M.S.L. Hammer Wt. 300#	Boring Started 12/9/85					
Total Overburden Drilled 41.7	Feet Hammer Drop 1.5	Boring Completed 12/9/85					
Elevation Top of Rock	MCW N-S. Cosing Left	Date Page					
-48	Sauther One Wall						
Total Depth of Boring 41.7	Feet Drilled By	Cambridge & Bouer					
Core Recovered% No. Boxes _	mrg. ves. vri ii	J PIN TICKER					
Core Recovered Ft : Diam	· ·	Fisher					
Soil Samplesin. Diam							
Soil Samplesin. Diam.	No. Classification By:						
DEPTH CORE/SAMPLE BLOWS PER FT.	SAMPLING AND CORING	CLASSIFICATION OF MATERIALS					
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adjusted for tidal effect so	that the final probe						
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during the exploration.	•						
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Sile							Boring No.					Page	3	
So	NESF	PORT	17	ARO	OR	ME	FP-8	5-32		P-1	9	01 _		1
	DEPTH	COR	E/SA	MPLE	BLOWS PERFT		ING AND CORE		1	•		1		-j
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1	PROJECT	NO. D.O. &B	
Site JONES	PORT HARBOR PROJECT	_ Page 1 of 3 Pages	
	3 Diem (CESTING) P-8	Boring Started 12/9/85	
Co-ordinates: N	Z55259 E 736749	Boring Completed 12/9/85	
Orilled by <u>An</u>	MBRIDGE & BOYER	Report Submitted	 .
	ration FOUNDATION IN.	VESTIGATION FOR A PROPOS	EO
			
	010 - 10.7 MILWH.	Casing Left in Place	
	rilled <u>57.0</u> Feet		
	HLW MALE.		
	f Hole67.7 MLW M.S.E.		
	Feet		
tal Depth of Hole	• <u>57.0</u>		
ore Recovered	\$		
	Ft.:0i min.	· · · ·	
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oil Samples	In. DiesNo.	Water Table Depth <u>SEA LEVEL</u> EL = 7.	,6
Dee th	Method of Drilling	190CX	
rom To	and Type of Bit Used	Ground Water Suck of Pr	<u>. </u>
0 570 2 1	4 OD POINT PROBE	Boring Location SketchBeck of P	•
		Overburden RecordP	_
		Rock BrillingP	
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Prepare	FISHER		
	ted by ATLANTIC TESTING	LAR	
Su an i t	THE THEOLIGINE IN STINGS		

	Total Overburden Drilled_ Elevation Top of Rock Total Rock Drilled Elevation Bottom of Boring	T BORING - 10'.7' 57.0 - 10'.7' 57.0 - 57.7 57.0	Boring No33_ DesigP Co-ordinates: N255259 MEST. Hammer Wt. 300 # Feet Hammer Drop	Boring Started 12/9/85 Soring Completed 12/9/85 Date Page Cambride & Boyer
	Core Recovered	No. Boxes	Mfg. Des. Drill	FISHER
	Core Recovered Ft			
	Soil Samples			
	Soil Samples		No. Classification By:	
. !	DEPTH CORE/SAMPI	PERFI.	SAMPLING AND CORING	CLASSIFICATION OF MATERIALS
-	I"= 5 NO. SIZE RAM	PTH CORE	O PERATIONS	Januari Januari St. Mariantinas
		3 -2 -1 -2 -6 -8 -11 -8 -9 -13 -9 -14 -14 -16 -9	e drilling log has been	
	21 - 22 - 23 - 23 - 25 - 25 - 25 - 25 - 25	9 14 14 16 9 The above effect so eyed, match	e drilling log has been that the final probe nes the depth totaled	

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Site JONESPORT HARBOR PROJECT	NO. <u>P.O. #008</u> Page 1 of <u>3</u> Pages
Hole No. FF-85-34 Diam. (Casing) P-33	
Co-ordinates: N 255198 E 736682	Boring Completed $12/9/85$
Orilled by LAMBRIDGE & BOYER	Report Submitted
Purpose of Exploration FOUNDATION INV. BREAKWATER	ESTIGATION FOR A PROPOSED
Elevation Top of Hole	Casing Laft in PlaceFeet
Core Recovered \$ Core Recovered Ft.; Diam In. Soil Samples In. Diam No. Soil Samples In. Diam No.	Weter Table Death JEALEVEL EL = -0.4
Depth Method of Drilling From To and Type of Bit Used 0 58.0 214" OD PROBE	Bround Water Back of Page Boring Location Sketch Back of Page Overterden Record Page Rock Brilling Page Page Page Page
Preserved by PAUL FISHER FIELD BOTE SUBSISTED TO ATLANTIC TESTIN	4 LAB

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DIVISION FIELD LOG OF TEST BORING Elevation Top of Boring	Co-ordinates: N Z5519 3 MLWM. t. Hammer Wt. 300 Geet Hammer Drop 1.5 MLW M.S.L. Cosing Left Feet Subsurface Water 1 3 MLWM. S.L. Obs. Well D Feet Drilled By Mfg. Des. Drill min. Inspected By:	Boring No34 Desig. P33 Diam. (Cosing)					
Soil SamplesIn. Dia	•						
DEPTH CORE/SAMPLE BLOWS PER FT.	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS					
10 1 1 1 WOH	Z#"OD PROBE						
18 7 19 - 8 20 - 7 21 - 6 22 - 8 25 11 24 - 8							
GENERAL REMARKS: The aboadjusted for tidal effect selevation, as surveyed, maduring the exploration.							

Sile	DNE	s Pa	PRT	HARO	oR	Borin	No.	85-	34	P 33		Poge <u>3</u>	
	DEPTH	COR		MPLE BLOWS	SAMPL	ING AN	D CORIN	G	T				7
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Site JONESPORT HARBOR PROJECT	NO. <u>0,0, #8</u> Page 1 of <u>3</u> Pages
Hole No. <u>FP-85-350im</u> . (Casing) P-34	Boring Started 12/10/85
Co-ordinates: N 255206 E 736732	Boring Completed 12/10/85
Drilled by CAMBRIDGE + BOYER	Report Submitted
Purpose of Exploration FOUNDATION INV. BREAK WATER	ESTIGATION FOR A PROPOSED
Elevation Top of Hole	Casing Left in PlaceFor
Deeth Method of Brilling From To and Type of Bit Used 0 58.3 2 /4 POINTED PROBE	Bround Water Back of Page Boring Location Sketch Back of Page Overturen Record Page Rock Brilling Page Page Page Page Page Page Page Page
Prepared by FISHER Field Bata Substitute by ATLANTIC TESTING SED PORM 121	S LAB

REPLACES EDITION OF JUN 51 WHICH MAY DE USED UNTIL EXHAUSTED

	CORPS	NGLAN	ENGII ID DI	NEER VISI	ON	Boring No. 35 Desig. P3	
						3 Feet Hammer Drop 1.5	
							Boring Completed
							Date Page
Eleva	tion Bo	ttom	of Bo	oring.	-68	5 MLU MET WORD WALL	
Total	Denth	of Bor	ina		58	3 Feet Drilled By	Cambridge & Boyer
Core	Recover	ed		% 1	No. Box	ns Mfg. Des. Drill	HO ALKER
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 					PFR F1. 1	SAMPLING AND CORING	CLASSIFICATION OF MATERIALS
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Site	OMESPORT HARBOR PROJECT	NO. Do. *8 Page 1 of 3 Pages
Hole No.	FP-85-36 Dim. (Cairs) P-36	Boring Started 12/10/85
Co-ordina	ites: N 255221 E 736830	Boring Completed 12/10/85
Orilled b	M CAMBRIDGE + BOYER	Report Submitted
	of Exploration FOUNDATION INV	ESTIGATION FOR A PROPOSED
	Top of Hole	Casing Left in PlaceFee
	burden Orilled <u>53.2</u> Feet Top of Rock <u>-43.2 MCW NOOT</u> L	
	Bottom of Hole 43. Z MLW Matel.	·
	DrilledFeet	
	h of Hole 33.8 Feet	
	ered\$	
Core Recov	ered Ft.; Di m in.	
Soll Sample	in. Diam. No.	Weter Table Dooth SEALEVEL EL = 7.9
Depth	Method of Drilling	19903
From To		Ground Water Back of Page
0 330	2 14 OD POINTED PROBE	Boring Location SketchBack of Page
 		Overlanden Record
		Rock Brilling
		A-
	Propered by Fisher Field Bate	
	SUBJECT ATLANTIC TESTING	Lak beta
	sumitted by HYLANTIC TESTING	<u></u>

REW ENGLAND DIVISION Boring No36 DesigP-36 Diam. (Cosing) FIELD LOG OF TEST BORING Co-ordinates: N_255 ZZ1E736830 Elevation Top of Boring									
DEPTH I*5		IDED ET	SAMPLING AND CORING OPERATIONS	CLASSIFICATION OF MATERIALS					
5 10 11 1 15 16		WoH	24 OD PROBE						
17 - 18- 19 - 20 - 21 -		14 14 7 6 4							
25 24 - 25 - GENERAL adjusted elevation	FIELD LOG OF TEST BORING Co-ordinates: N 255 221 E 736830 Elevation Top of Boring								

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	(DEPTH	COR	E/SA	MPLE	SLOWS	SAMPLE	NG AND CO	RING			·	L			
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Site DNESPORT HARBOR PROJECT N Site DNESPORT HARBOR Hole No. FP-85-37 Dien: (Casing) P-37 Co-ordinates: N 255229 E 736880 Drilled by CAMBRIDGE + BOYER Purpose of Exploration FOUNDATION INVE	Boring Completed
Elevation Top of Hole	Casing Left in Place
Preserved by FISHER Field Date Summitted by ATLANTIC TESTING	Bround Mater Back of Page Boring Location Sketch Back of Page Overlanden Record Page Rock Orilling Page Page Page Page Page Page

Elevation Total Overb	op of Bori	ng	9./MLWMest. Hammer Wt. 3	Boo Doring Started 12/10
		•	3. CMLW MAN Caping Left	Boring Completed 12/10
Total Rock	Drilled		Foot Subserface We	ter DatelIPopo
Elevation B	ottom of I	Boring	33 GALLAST. + Obs. Well	
Total Depth	of Boring	25		AMBRIDGE & BOYER
			xes Mfg. Des. Drill_	
				FISHER
			DiamNo. Classification E	3y:
Soil Sample	•	In. (DiamNo. Classification B	y:
DEPTH		MPLE BLOWS	SAMPLING AND CORING	
1*•	NO. 5121	PANGE RECVY	0.050.4710.00	CLASSIFICATION OF MATER
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22,5		1 7		
23,5		10		
24.5		62	-100/7"	
GENERAL f adjusted f elevation, during the	or tidal as surv	effect s veved. mat	ve drilling log has been o that the final probe ches the depth totaled	

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Site JONES PORT HARBOR PROJECT	NO. D.O. #8 Page 1 of Z Pages
Hole No. Ff -85-38 Dism. (Casting) P-38	
Co-ordinates: N 255236 E 736929	Baring Campleted 12/10/85
Orilled by CAMBRIDGE & BOYER	Report Submitted
Purpose of Exploration <u>Foundation</u> INVE BREAK WATER	STRATION FOR A PROPOSED
Elevation Top of Hole	Casing Left in PlaceFeet
Elevation Top of Rock Z3.4 MLW Mast. Elevation Bottom of Hole Z3.4 MLW Mast. Total Rock Brilled Feet Total Depth of Hole 15.7 Feet	
Core Recovered	Water Table Dooth SEA LEUSE EL = 1.9'
Deeth Method of Brilling From To and Type of Sit Used	Bround Water Back of Page -
0 15.7 2/4 OD POINTED PROBE	Boring Location SketchBock of Page
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Prepared by FISHER FIELD BOLL SUBJECTED BY ATLANTIC TESTING	G 56
SIMILE A ATLANTIC TESTING	- LAB

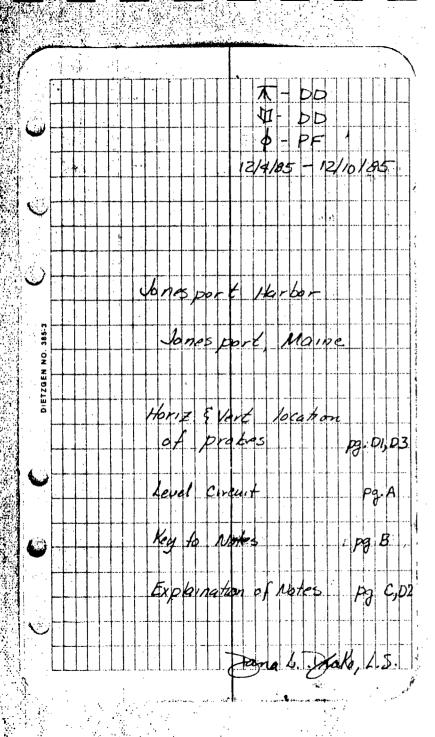
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CORPS OF	. ARMY Engineers And Division	Site JONES PERT FP85 Boring No38 Desig. £	HARBOR Page Zet ZP
FIELD LOG C	F TEST BORIN	G Co-ordinates: N 225	236 E 136929
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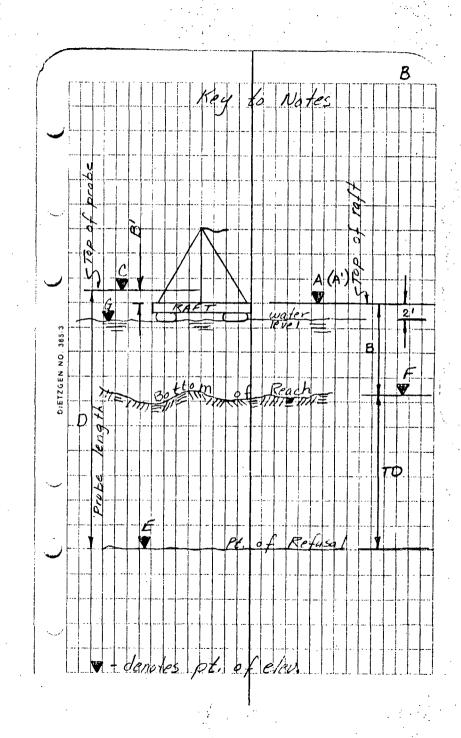
SECTION 9

Other Records Taken

a. Survey Notes



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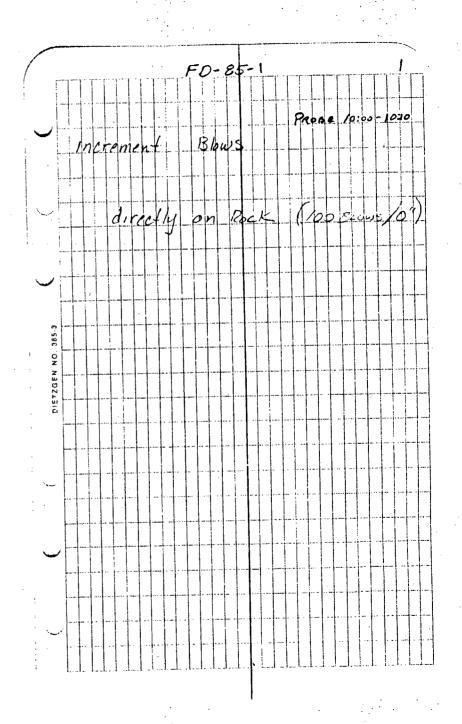


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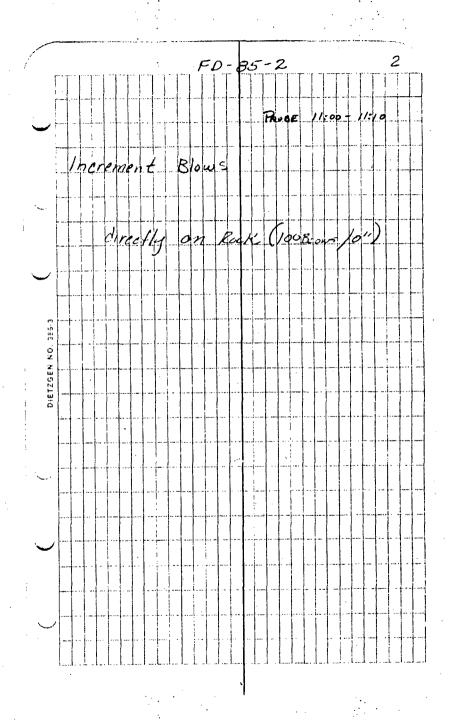
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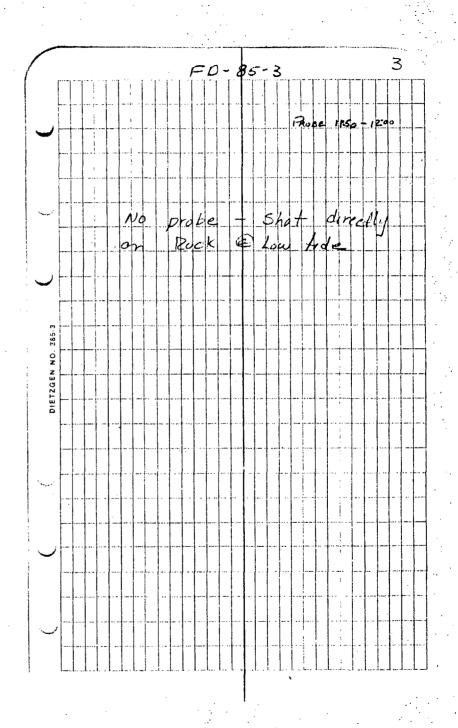


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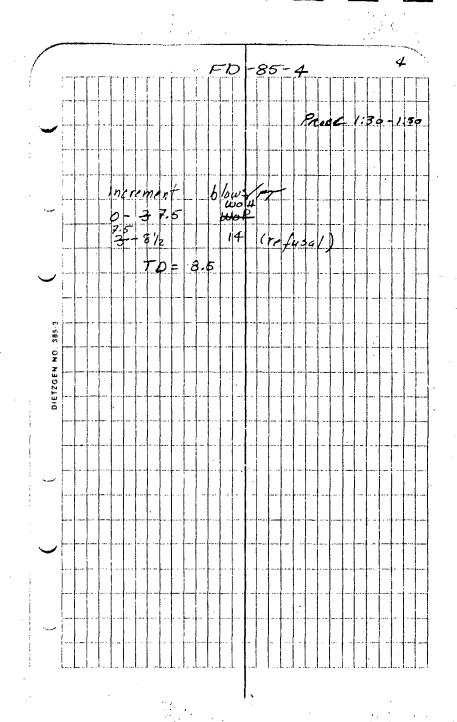


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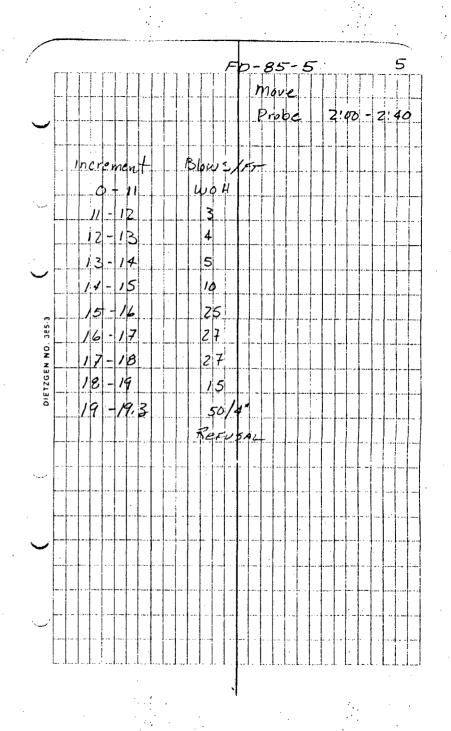
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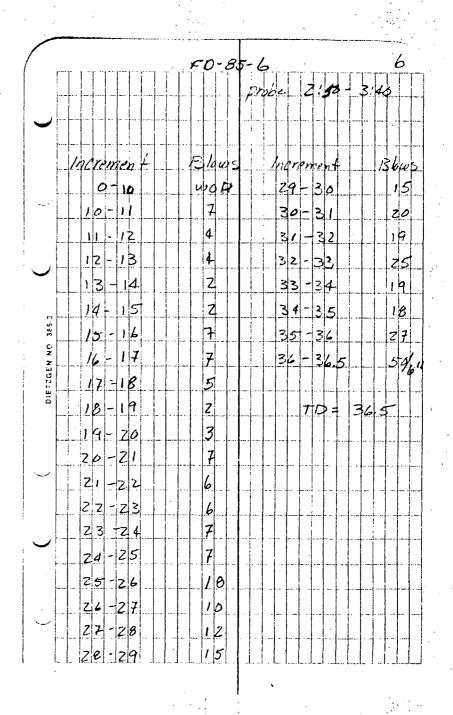


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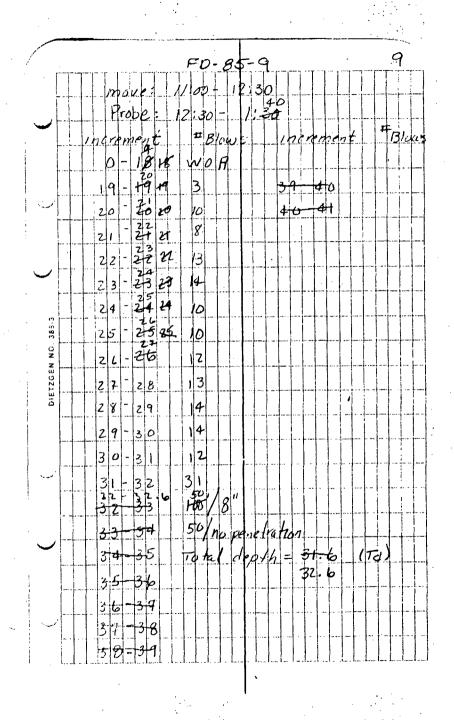
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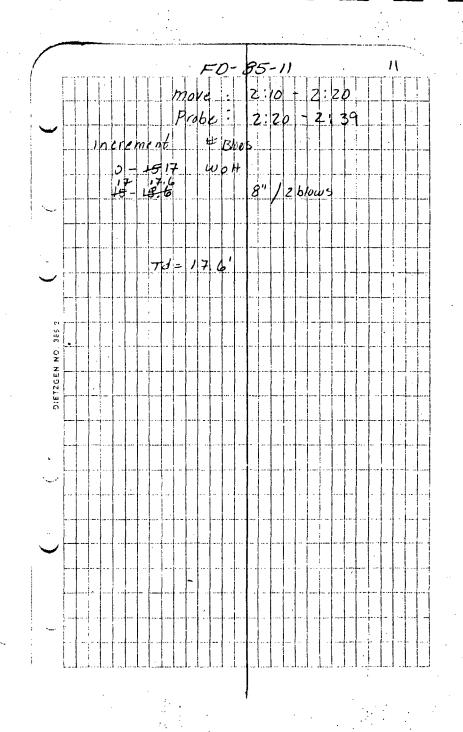
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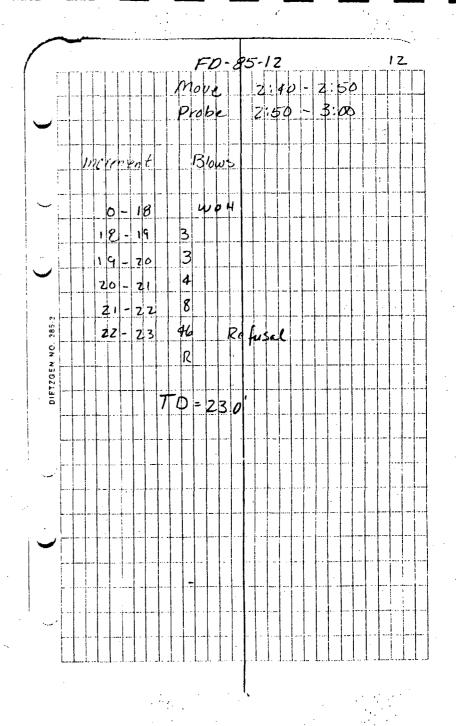
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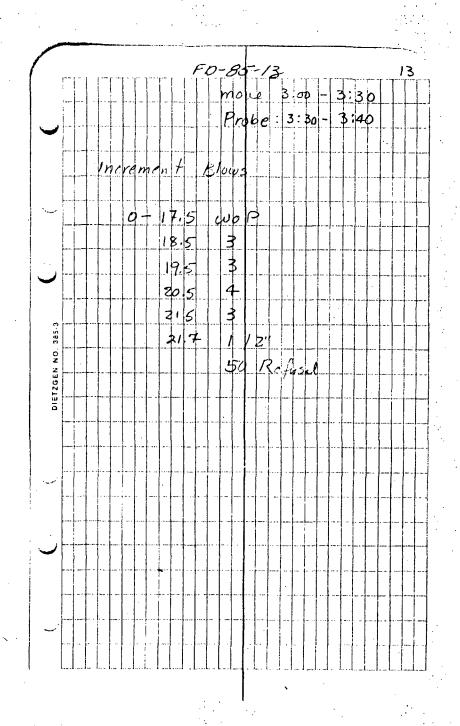
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:	F	<u>.</u>	11-13			-7.5
	4		A-2			7,5
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· · 1		\mathcal{E}	- A - TO)- B		· · · · · · · · · · · · · · · · · · ·
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· ·		····		CONTRACT CONTRACT C A.A	·	*** *** ******** * *
		CORR.	To =	17.3		
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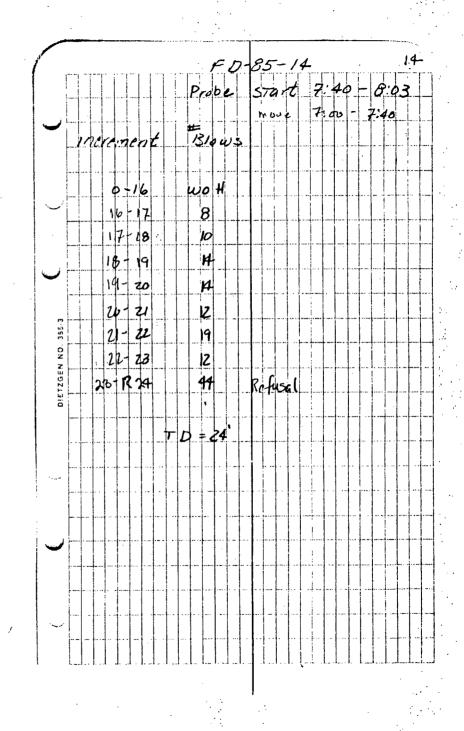
12 12/6/85 N 255129 P \cdot 24 E 736237 N		- Contracts			ı	
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A 9.28 7.0 90°27 10.5 B 18' C 9.28 7.0 90°25 11.0 D 41' E C-D -30.0 F A-B -7.5 A-Z 8.5 $E = A - TD - B$	4	928				
A 9.28 7.0 90°27 10.5 B 18' C 9.28 7.0 90°25 11.0 D 41' E C-D -30.0 F A-B -7.5 A-Z 8.5 $E = A - TD - B$			a residencial distribution of the first			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		YD	HO	Rod	v>	Elpu
$ \begin{array}{c ccccc} C & 9.28 & 7.0 & 90^{\circ}25 & 11.0 \\ \hline D & 41' & & & & & & & & & & & \\ E & & & & & & & & & & & & \\ F & & & & & & & & & & & & \\ A & & & & & & & & & & & & \\ A & & & & & & & & & & \\ F & & & & & & & & & & & \\ A & & & & & & & & & & & \\ F & & & & & & & & & & & \\ A & & & & & & & & & & & \\ E & & & & & & & & & & \\ & & & & & & & & &$	A		9.28	7.0	90°27	10.5
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	В	18'				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	C		9.28	7.0	90°25	11.0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	D	41'				
$\frac{6}{E} = A - TD - B$ $-30 \approx -30.5$	E		c-	-		- 30,0
E = A - TD - B	F		A	В		- 7.5
-30 ≈ -30.5	9		A	-Z		8.5
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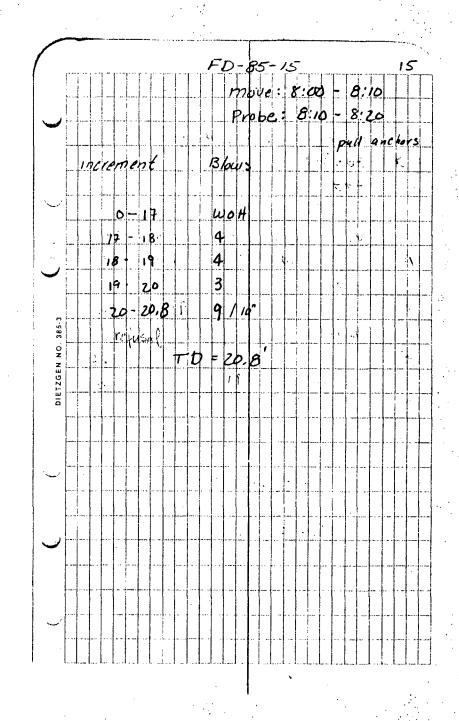
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11.1.=	Henry		= 19,48+	73625 5,28 =	24.8
	307°38		#300 11 #301 Table 100 1 1 1		
D	890'				
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	ΝD	ΗD	Rod	14	Elpu.
A		8,90	7.0	90°24'	11.5
В	19.5			,	
C		8.90	7.0	90°19'	12.8
D	41.0				
E			- D		8-28.2
F		i	-B		-8.0
- 4		A	-2		9.5
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3		E = A	TO-B		
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A		9.87	7.0	90019	11.9
В	20.0				
C		9.87	0.0	90°38'	13.4
D	46.0		a se a della sella distribuita di la constanti		
E		ا د	- D		-32.6
F		A	- <i>B</i>		-8.1
6		A	- 2		9.9
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	E	+ A- T	D-B		
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¥.1, ~	Henry	+ 4.85	= A.48+	4.85 = Z	4.3
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	VD	H.D	Rud	¢ v	eleu.
A	•	9.38	7.0	90°23	
В	19.0				1
۵		9.38	0.0	90°38	14.0
D	41.0				
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F			- <i>B</i>		- 8.0
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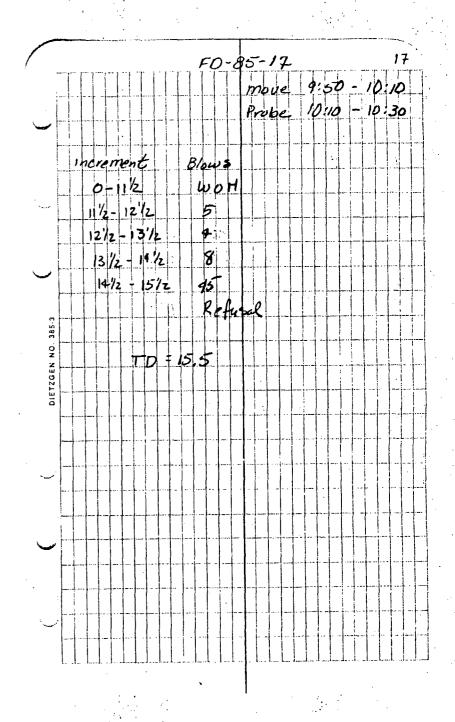


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A & & & 2 7.0 90°40 7.5 B 16.0 C 8.42 0.0 91°04 8.6 D 46.0 E A-B 8.5 A-2 6.5 $E = A-TD-B$ $-37.4 \approx 37.0$	1	880	791 842			
A 8.42 7.0 90°40 7.5 B 16.0 C 8.42 0.0 91°04 8.6 D 46.0 E $-D$ 37.4 A - 2 6.5 $E = A - TD - B$ $-37.4 \approx 37.0$		VD	₩. D	Rus	VÀ	EIPU.
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E = A - TD - B $C - D = 37.4$ $B.5$ $A - 2 = 6.5$ $E = A - TD - B$	C		8.42	0.0	9104	8.6
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-37.4 ≈ 37.0		F.	Δ - T D -	13		
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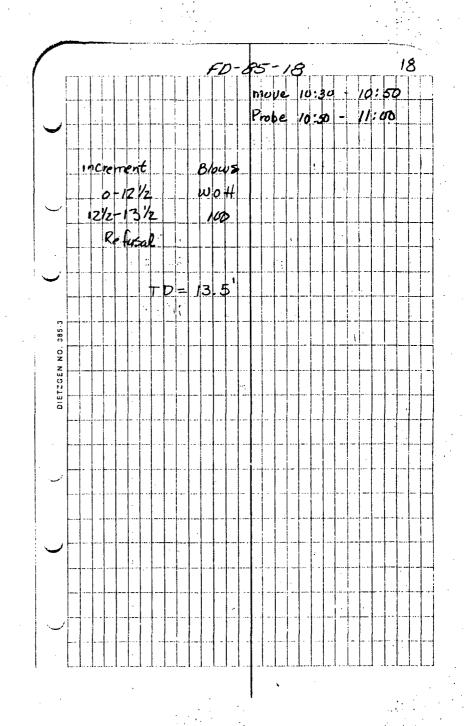
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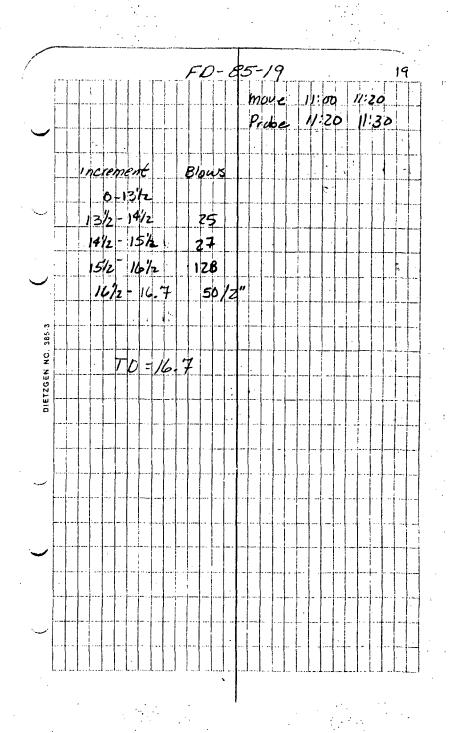
VO HD Rol V & Elou. A 7.94 7.0 90°51′ 5.5						
P-115 E 736353 4.1. = Henry + 4.85 = 19.48 + 1.85 = 24.3 4.3 305°45' -d - 494 VO HO ROL VA Elpu. A 7.94 7.0 90°51' 5.5 B $\frac{15.5}{15.5}$ ' 5.5 C 7.94 7.0 90°01' 3.2 D 31.0' E C-O -27.8 F A-B 3.5 $G R - Z 3.5$	17	12/7/8	5	N	255 198	,
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VO HD Roll V $\stackrel{?}{\rightarrow}$ Elou. A 7.94 7.0 90°51' 51.5 B 15.6'15.5' 3.2 91°01' 3.2 D 31.0' C-D -27.8 -27.8 F A-B 40.1' 3.5 E = A-TD-B 3.5 3.5						
A 7.94 7.0 90°51′ 5.5 B 7.94 7.0 91°01′ 3.2 D 31.0′ E C-D -27.8 F A-B 16-1 5 $A - B = A - TD - B$ $-27.8 \approx -25.6$	-d-	794	,			
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B $\frac{15.5}{15.5}$ 5.5 7.94 7.0 91°01' 3.2 D 31.0' E C-D -27.8 F A-B $\frac{15.5}{15.1}$ $\frac{15.5}{15.5}$ 15.5		VO	HO	Rud	v 4	Elou.
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	-		7.94	7.0	90°51'	5.5
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	В	15.6 15.	5'			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$.		7.94	7.0	91001	3.2
$F = A - B$ $A - B$ $A - B$ $A - B$ 3.5 $E = A - TD - B$ $-27.8 \approx -25.6$	D	31.0	, , ,			
$G = A - TD - B$ $-27.8 \approx -25.6$	E		C -	0		-27.8
$E = A - 7D - B$ $-27.8 \approx -25.6$	F		A-	B		10-1
-27.8≈ -25.6	9		<i>p</i> -	2_		3.5
-27.8≈ -25.6						
-27.8≈ -25.6	Professor - Instantis - Monto - Flagge.					
		\mathcal{E} =	A-TD	-B		
			· ////			
CORA, TD 17.7		- 27.	8≈ ⁻ 2	5.6		
CORR. TD 17.7	1 Mars - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
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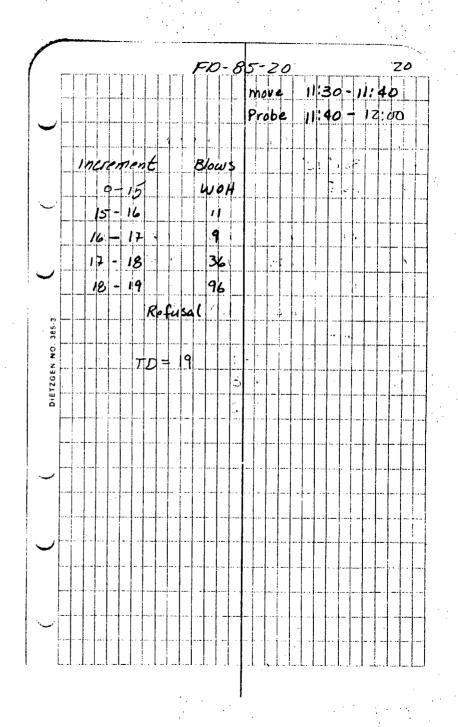
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18	12/7/	185	N	255 205	
		P 15	E	736403	
g ==:		. <u>.</u> .			;
, J. =	Henry	+ 4.85	= 19.49+	4.85 = 3	24.3
ŧ	304°38				
1-	746	pyrad gam angunan un un anguna a			
	<u></u>				
	VD	H⊅	Rod	v 4	Flau.
A		7.46	7,0	90 58	
В	13.5'			10.00	
د	<u> </u>	7.46	0.0	91013	8.5
	21.4	+.70	U.U.	<i> 1 5</i>	C.6
D E	31.0	C-	D		777
			1		-22.5
F		Α.			-8.8
9		A.	L		2.7
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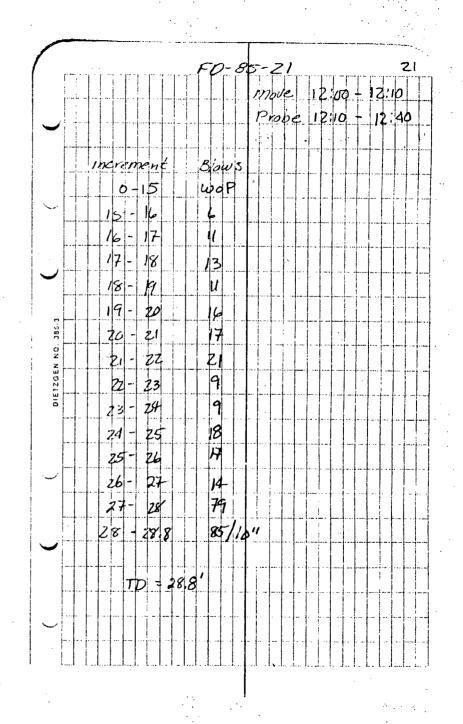
19	12/7/8	5	, , N	255213	
	1=7.75	P.14		736 452	
¥	,				
<i>H.I.</i>	Henry	+ 4.85	19.48+	.85 = Z	4, 3
H >	303°21	•			
-d-	699			,	
a naggaminatin galah ggalah, ian iti seperting					
	H D	VD	Rod	V->	Elev.
A		6.99	7.0	91°07	3.7
B	12.5'				
<u> </u>		6.99	0.0	91°33'	5.4
D	31.0			***************************************	e.a. /
E		C-	D		-25.6
F		p.	В	. 10-14-14-14-14-14-14-14-14-14-14-14-14-14-	-8.8'
4	man pamagan takan 1	A.	2		1.7
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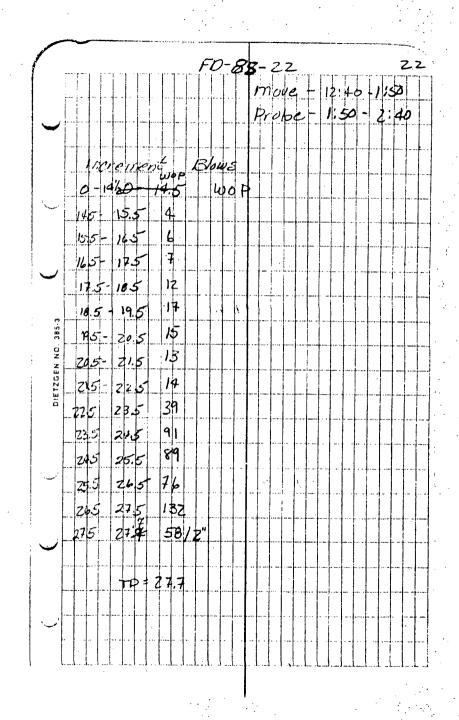
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	Henry		= 19.48 +	4.85	4,3
	301° 53				
<u>d</u> -	652				
	#D	VD	Rad	v ¥	Elev.
#		6.52	7.0	91013	3.5
В	12.0				,
C		6.52	7.0	91003	5.4
D	31.6				
E		<u> </u>	D		-25.6
F		1	B		-8.5
G			2		1.5
		.,,	American control of the control of t		
MA 64741 W 411 1					
	E	A-TD	-B	ļ	
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	- 25.0	<i>≈</i> -27.	5		
	CORR	TD =	17.1		



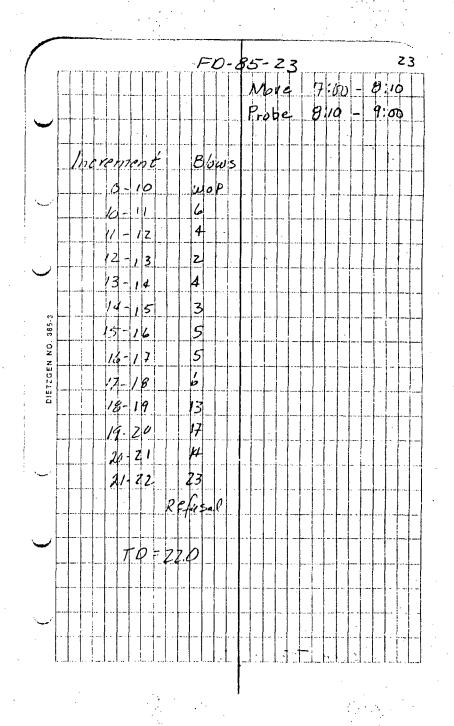
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21	12/7/	85	N	255228	
44 - 1		P 12	E	736551	*** * *****
$H.I_{r} =$	Henry	+ 4.85	= 19.49+	485=	24.3
<u> </u>	300 12				TOTAL T. C. STANISCO D. F. LONG STORY
-d-	605				
		1 mark 2 mark 2			
-A	Q V	H D	Rod	1	EleU.
A		6.05	1,0	91057	2.7
В	12.0	~			
C	41,0 -	6.05	1.0	91°53	3.4
D	51.0' ?				· 24.1 ····
E		٠. ٥	D		-37.6 -47.6
F		Α-	В		- 9.3
9		Ŋ.	2		0.7
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		Maria de de deservación de la capación			1 Aug. 1 Aug. 1 Aug. 1
	E =	A-TD-	В		
	- 37.6			****	There is a second of the second of
		≈ - 3 <i>8</i> ,			PW 1-W W - Pr Shinkhin Farange.
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	CORR T	D = Z	8.3'		
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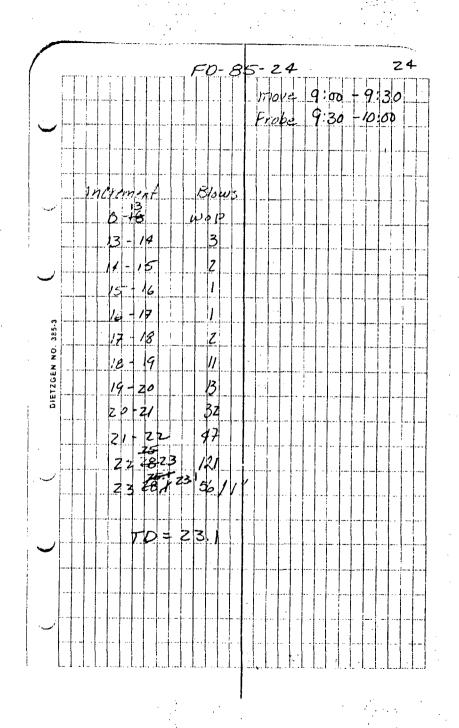
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22	12/7/	\$5	ท	255236	
1/2		P 11	E	736 600	
, : 					
//.1, =	Henry	+ 4.85	= 19,48+	4.85= Z	4.3
4 4	2980 14				
-d-	560				
	VP	HD	ROS	v ₹.	Elev.
Α		5.60	1.0	91052	5.1
В	13.5		,		
<u>C</u>	41.0	5.60	6.60	91012	6.0
D	51.0 ?				- 35.0
E		<u>c</u> -	D		-45.0
F		Α-	В		-8.4
4		14	-2		3.1
· · · · · · · · · · · · · · · · · · ·					
	E=	A-TD	- B	*** ** ** *****	1
·	- 25/				
en de Allino e 18-a conduito - 1 a 1	-45.0	≈ -30	p.1		
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Same and the second	CORA	TO -	26.6		
	CORA	70 •	26.6		



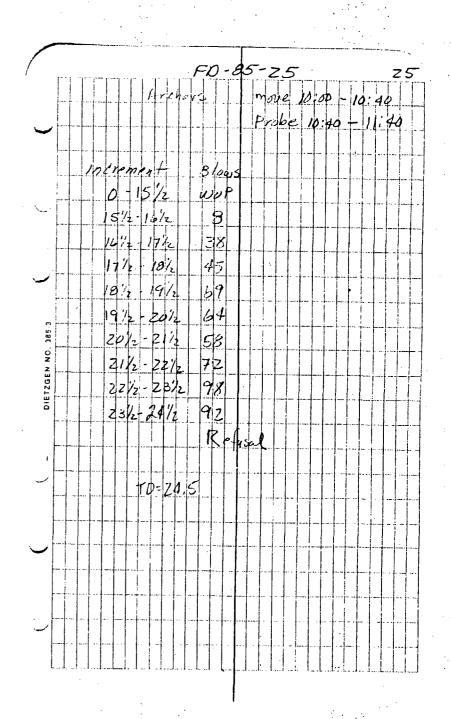
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	12/8/8	5	P 32	Ε	736633	
	14.1.=	Henry	5.10 + 4.85	19.48 = 19.86	5,10 + 1.8'5 =	24.6
	HX	29203				**************************************
1	<u>-d-</u>	560'	,	to the street commerce of the street con-	- 1881 - 18.	
		VD	HD	Rod	レ み	Elav.
.; ,	A		5,60	1.0	91°03′	13.7/3.3
	B	22.0	*** * ** *****************************			٠
٠, ١	<u> </u>	· · · · · · · · · · · · · · · · · · ·	5.60	0,0	91004	14.5
	D	46.6	5.6	war serverance as as as	*** *** ** ** * * * * * * * * * * * * *	-31.0
	E		<u></u>	- <i>D</i>		-31.9 -31.5 -8.7 -8.3
	<i>F</i>		A:	B		-8.3
	- 4	~	4	-2		11.7 11.3
		-2.0	. c.	WM P BY 110 - 110 - 110 - 110 - 110 - 110 - 110 - 110 - 110 - 110 - 110 - 110 - 110 - 110 - 110 - 110 - 110 - 1		
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	Z-0 0A	ter ni Prinsie annament (M)	A"-A'	A'- A		31.Z
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	* *************************************		A.TO	l	}	
!	***************************************	-51.3	~ - 2	5 3t	5 <u>,</u>	***************************************
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:	'	LOAR.	# 15 " ≠	23.2		
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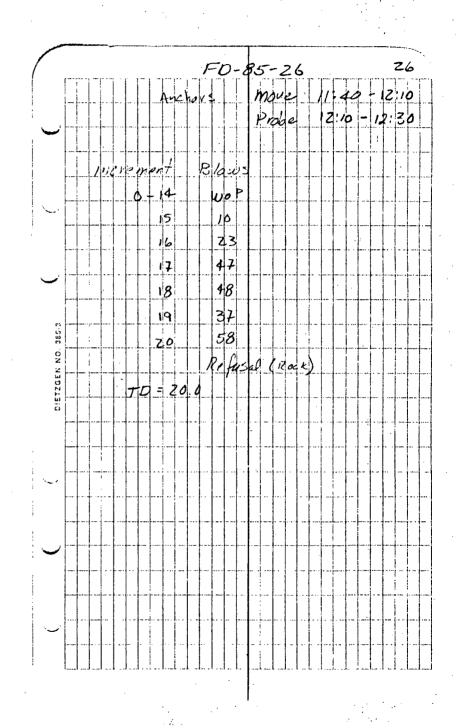
		74	12/8/8	6		255183	
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• • • • • •		4					
,		14.1	Henry+	5.10= 19	48 +5.10	= 24.6	
		H 4	294°54		u anadalah da di dunin		
		-d-	604				
		- American Communication of the Communication of th			, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
			ND	HD	Rod	ν¥	Elev.
		A		6.04	1.0	910 19	9.7
		B	18.0		(1.1		(12.8)
. 				6.04	1,0 (+4.7)	91°28'	8,1
		D	+ 46	:		91028	
		E		2 -	1		-33.2
		<u>F</u>		A-	1		-8.3
		G B'		A	2		7.7
		A,		A . P			8.1
		ΔΑ	:	C+B A'-A'	'I		-1.6
			, interest control of	H-V			
			F=	A-TD	$R + \Lambda I$	\	
		AND PROPERTY AND THE STREET		12	JU. J. A.F.	N	
	* 9 		- 33	2 ~ 3	3.0		
					# = <i>T</i> 1 + 10 + 10 + 10 + 1		
	;		CORR	TP 2	249		



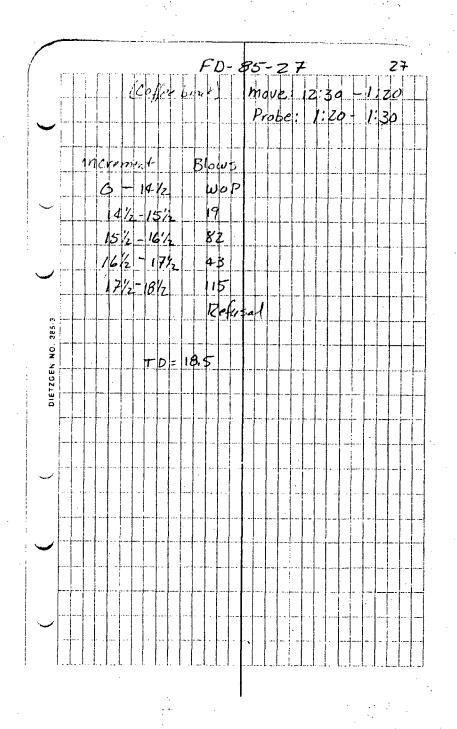
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75	12/8/	185	, N	255175	
		P3	1	736534	
, j					
H.(Henry	+ 5.10	= 19.48 +	5.10 = 2	24-6
H4	\	ł /			
-d-	649		,		
	UD	HD	Rod	v ¥	EloJ.
A		6.49	0.5	310° 36'	5.9 17.3
B	14.5			:	
C		6.49	0.0	91°45	4.7
D	38				
E		C-	D		-33.3
F		A-	[-8.6
9		A-			3.9
_B'	-0.3				
A'		C+	в'		4.4
ΔΑ		1	AZ	, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-1,5
There are defined and the second of the second of	E	- A- TD.	B+DK	and the second s	to a symbolise agreemy grown or a s
t give week with any an electric season	-	33.3 ≈	34-6 33		
		ro =	24.7		
	- ARR	. 🛩 📆	Setto ()		
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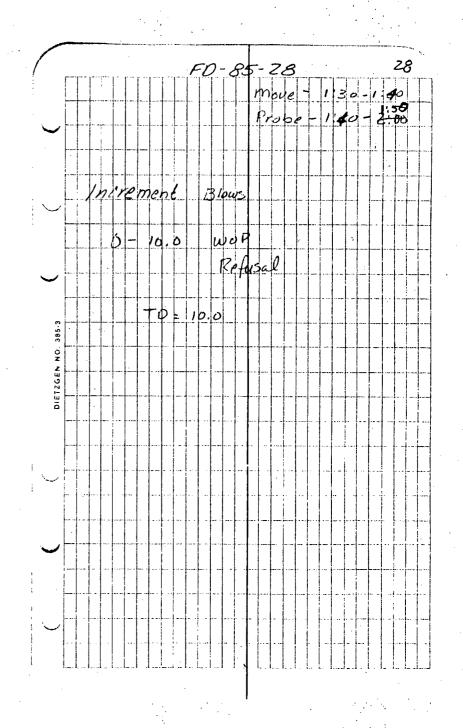
·			·	r	1
2/6	12/8/83	5	N	255167	
		D31	P29 E	736484	
11.1.=	Henry.	+ 5.10=	19.48+5	10 = 24.	
	Z98°4				
-d-	694				4
Der i Martine i der vong der pale despote	MD	HD	Rod	VX.	EloU. 3.2
A		6.94	1.0	91° 76	3,2
В	11.5				<u>i</u>
_		6.94	0.6	91°27'	7.0
D	36.0	er ser genera ganta s			1
Ε		(-B		-29.0
F		ļ ,	-В	1440	- 8.3
9			- 2		. 1.2.
<i>G B</i> '					
A'	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,	
ΔA					
	, a sector area. The sector				
		E = A-	0-8+	ΔΑ	
		79.0 ≈	- 28.3		1
···					
	CORR.	To =	20.7		
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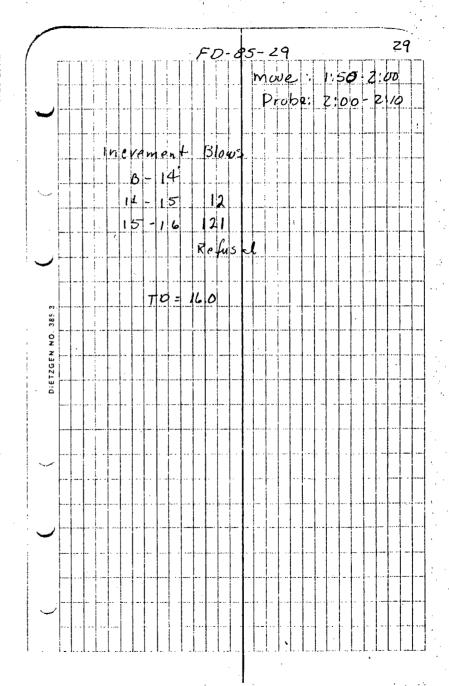
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27	12/8/	5	٨	z55160	• • • • • • • • • • • • • • • • • • • •
· · · · · · · · · · · · · · · · · · ·		P-28	E	736 435	
			,		
H.11.	Henry	+5.1	19.48+	5.10 - Z	4.6
HÀ	300°21				
-d-	740'	· · · · · · · · · · · · · · · · · · ·			
		* *** * * * * * park*, *			
	VD	HO	Ros	VX	Flow.
A			0.0	91°44'	
В	10.5				
C		7.40	0.0	91°33	4.5
D	31.0	e			-
E		A	-B C-	D -	26.5
F		Ŋ	A-13		-8.3
4		i	A-Z		0.2
*****		E = A -	TD- 5		
	-2	4.5 ≈ -	26.8		
					· · · · · · · · · · · · · · · · · · ·
· · · · ·	CORR T	D = 1	3.2'		
					• •• .
	,				



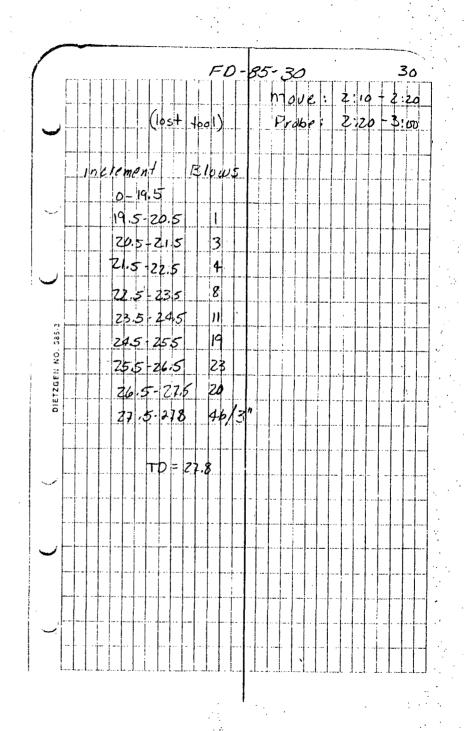
28	12/8/8	25	(,	z <i>5515</i> 2		`
	7.070	P-27				
A company of contract	<u> </u>	P-2+	E	736386		
						٠. ـ
14.1. =	Henr	1+5.	0 = 19.4	8+5.10=	24.6	
44	30104	4'				
-8-	787'					٠.,
, ,				.,		j
				11:X	EloU.	
, <u></u>	VD	HD			1	
A		7.87	5.13	91.13	2.7	,
В	11.5					
۷		7.87	0.0	91015	7.4	
D	26.0	E				
E	30.0		PC-0	1	-18.6	
		,				
F			A - B		-8,8	
9			1-2	 	0.7	
,						
; y		F-A	TD-1	3		_
				T		
The first contract of the second of the seco		1				
· · · · · · · · · · · · · · · · · · ·		18,6	-18.8			
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***************************************		TO	ac'			ر
	CORR	TO =	7.7	,		
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	Į.	1		i	1	



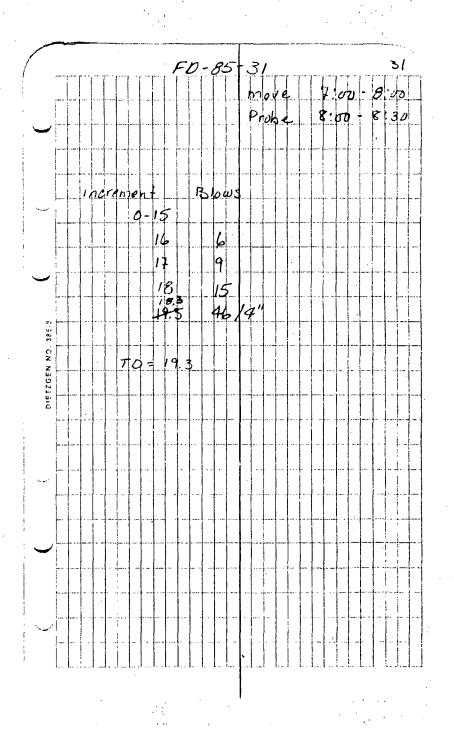
		-		·	
29	12/8	185	N	255144	
f		D-26	E	736336	
14.1,	Henry	+5.10	19.48+5	10 = 24.	6
1+4	302'5	1 .			
-d-	833				
	Wo	MD	Rod	VŦ	EleJ.
A		8,33	7.0	91001	2.8
В	11.0				`.
C		8.33	0.0	91011	7,4
D	31.0				
ε		C-	D		-23.6
ZF		A-			-8.2
4			2		0.8
		F - N	70-B		
				manung artar p P r man na	
		23.6	± -24.2		AN ARMAN MAN IN A SAME AL . I
					t a maranta a company
					and an interest of the second
	CORN.	70	15.41		
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30	12/8/21	P5	<u>u</u>	255137	
***************************************	+	PZ	5 E	736 287	
And the same of th					
H.L =	Henry	5.10 =	9.48+5.	10 = 24.	6
H4	304004	1.			
-d-	881			The second second second second	
	VD	HD	Rod	V A	EloV.
A		8.81	7.0	90.56	3.2
В	11.5				\ \
<u> </u>	<u> </u>	8.81	0.0	91012	6.1
D	41,0				
E		C.	ס		-34.9
F			В		-8.3
4		A.		17.22.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	1.2
7					
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		- 34.9	≈ -36.	1	
and the second s				<u> </u>	
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	LORA	TO 3	76.6		



31	2/9/85	Ω		255 244	
		PID		736850	
H.1. =	1 (1)	!	=19,48	5.10 = 2	4.6
H 4	795°5	5'			
-d -	514				
n sayaya haqabad dha t					
	VD	HD	Rod	VA	Elev.
A		5.14	1.0	90°56'	15.Z
В	24.0				
C		5.14	0.0	90°39'	18.7
D	46.0				
E			- D		- 21,3
F	****		4 - B		-8.8
9		1	4- ک		13.2
4					
a professional del la compania del la compania del la compania del la compania del la compania del la compania					
	F.	A-TD	R		
provinces as seen to be seen or		†		·	, production viscous
444 (1 pp. 404 4	-2	7.3 ≈ -	48.1		
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					,
	CORR 7	<u>=</u>	18.5		
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f	,	•	•		



4			<u> </u>	r	
32	12/9/	85		255251	
		Р٩		736699	
H.1,2	Henry	5.10 =	19,48+	10 = 2	6
HA	293010)	a r washe as on the		
-d-	470		aggica da ingalangini sindir		
men a re le manuschiques e mile					
	VD	14 D	Rod	}	Elev.
<u> </u>		4,70	1.0	91009	Mail
_B	22.5				
<u>_</u>		4,70	0.0	91061	16.2
D	66 65.				
E		C-	פ		- 40.3
F		i	В		78.4
4		<u> </u>	- Z		12.1
₿'	-3,7				
A'					12.5
CA		A'- 43	,		71.6
	.,,				
		E = A	TO- L	B + 4A	
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		48.8≈	48.6	- 48.5	
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	GORR.	בי מד	40.4		
	MASS 100 T .				
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l l	nakana arak isak i hisankanikasi i s	FD-85-32	.32
		move 8:3.	2 - 2 9:0
, .		Proba 9:00	2 - 10:20
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	0-17.5	WOR	
	17,5 18,5		3 15
	125-19,5	16 36.5. 37.5	21
	195-245	11 37,5- 38,5	20
	70.5-215	10 385-39	5 27
NO. 385-3	215-22.5		5 26
Z	22,5-23,5	!	9 42
DIETZGEN	235-245	5 40.5 - 4/.9 5 41.5 - 4/.9	#2 Zo/3
ă	245-255	5	Ref
	25,5-26,5	-5-	
	26.5.27.5	10 TO: 4	2 4/7
[]	275-28.5	9	
	78.5 - 29.5	9	
	29,5-30,5	9	
	30,5-31.5	7	
	31.5+ 32.5	15	
	32.5-33.5	18	
7	335 34,6	13	
	34.6-35.5	7	

	T				
33	12/9/1	85'	WL:	255259	
		P8		736 749	
And the second second second second second					
14.1, =	Henry	+ 5,10	= 19.48+	5.10 = 2	4.6
	289°51	L ,			,
	228'42	1			
			# 4 , At 4		
	VĎ	HD	Rod	V}	Elev.
A		#.28	1.0	91052	9.6t
В	17.0				
C		7.28	0.0	92019	7.3
D	75.0				
E		ر ـ	D		-67.7
F		A -	В		- 7.4
6		A	Z		4.7.6
8'	-1.0			A 100 A 1 1 1 1 A	
A'		C+B'			6.3
ΔA		A' - A			-3.3

	E	A-TO	- B+A	A	

, 		7.7≈	67.7		
	CORA	D = 6	0.3		
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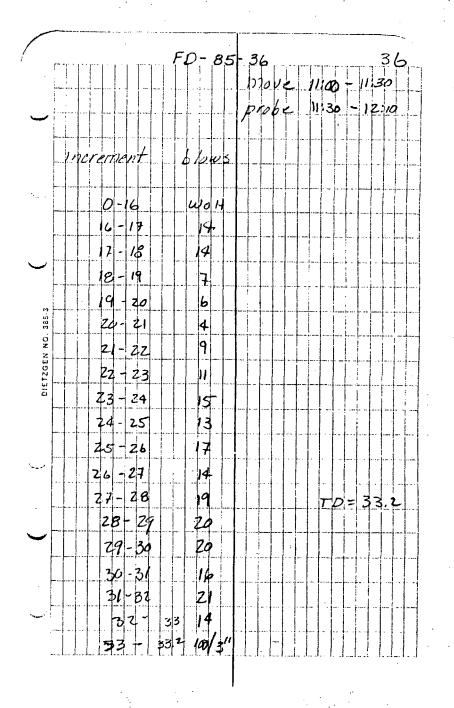
34	12/9/8	s P3		255 198 736 6 8 2		
H,1, = H == -d-=		+ 5.1 = 1 3'	7.48 + ⁵ .1	o = 24.6	, , , , , , , , , , , , , , , , , , ,	
A			Rad 1.0	V 3. 92°26'		
B C D	71,0	5.18 C	0.0 ~ D	92°12'	4.7	· · · · · · · · · · · · · · · · · · ·
F 9 B'	-3.0	A	- B -Z		-8.4 -0.4	
ΔΑ		1	+B		0.1	
		A-TO-	8+ DA			
		TO =				· · · · · · · · · · · · · · · · · · ·

	A	-0-85	-34			34
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.			h/aus	- - -	1.1	
-	Increment		plows Prone	_	_	
ļ	P-17	WOP		_ _ _	_	
' 	17-18	7	34-27	Z 7	55-	5L 75
	18-19	8	37-38	29	56-	57 74
	19-20	7	<i>38</i> - 39	30	57 -	38 108
	10-21	6	39 - 40	32		
:	21-12	8	46-41	34		
385.3	12-13	11	41-42	30		
, CX	1.3 - 24	8	42-43	31	7	D=58.9
DIETZGEN NO. 385-3	24- 25	7	13-14	39		
DIET	2,5-26	7	40-95	-1		
-	26 - 27	13	45 46	36		
f	27-28	13	46-17	47		
<u>.</u> ار	26-29	6	47.48	36		
}-		13	96.49	46		
-		· [[94-5P	45		
-	30-31	13	50 5	77		
-	31-32	18	1-1-1-1-	44		
-	7.7 - 38	+ + + + + + + + + + + + + + + + + + + +	1 54			
		20	57.53	38 56		
-	34- 35	22	53-54	54		
	177 190	132	95 - 55			

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35	12/10/85		N	255206	
	<u>.</u>	P 34	L E	736732	
					*** **** *
1/1/1 =	Henry	+ 5.18	: 19.48+4	18= 2	4.7
H \$	Z86°Z	<i>?</i> '			
- d-	476		Accessed to the control of the contr		
and a part of the same of the					
155	YD	HD	Rod	レメ	Elev.
4		4.76	1.0	91001	15,2
В	23,5				
<u>C</u>		4.76	0.0	90°59	16.5
<i>D</i>	85.0				
E		C	- D		-68.5
<i>E</i>		Α	- B		-8.3
<u> </u>		Α	- Z		13.2
<u>B'</u>	-3.2				
ZI'ZUDA'			В		13.3
ΔA		A'	-A		-1.9
			-106.	ł	1
		E=A-	TO-B	ΔΑ	
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		-68,5	-68.	9	
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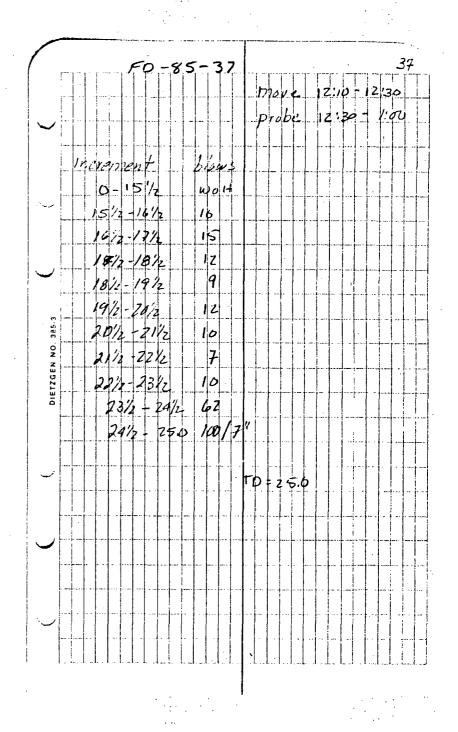
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DIETZGEN				1	1	4	1	1	1						1/2		13		-	3	1			-		-	-	-	
DIET				Ϊ	1	5%	1'-	,	0						١.,	-	11	-		Z	1		-		4		بيتها ا		-
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36	12/10/8	5 P:		255221 22.620	
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14.7. =	Henry	+ 5.18	= 24.7	,, .,	
# }	277°56				an an amount where they have been to be a con-
-d-	400'			· · · · · · · · · · · · · · · · · · ·	
	VO	HD	Rod	V À	Elev.
Α		4.00	1.0	91058	9.9
В	18.0	}			
C		4.00	0.0	9142'	12.8
D	560				
Ε		C-	.		- 43.Z
F		A-1	þ		- 8.1
G 18'	- 4.7 4.67	A-	2		7.9
A'		C+	В		8.1
AΔ		A'-1	1		-1.8
· !					
		E-A-	10-B+	ΔΑ	<u> </u>
r					
		- 43.27	c - 43.	\	
* <u></u>	COAR	TD =	35.1		
\$ \$ 					

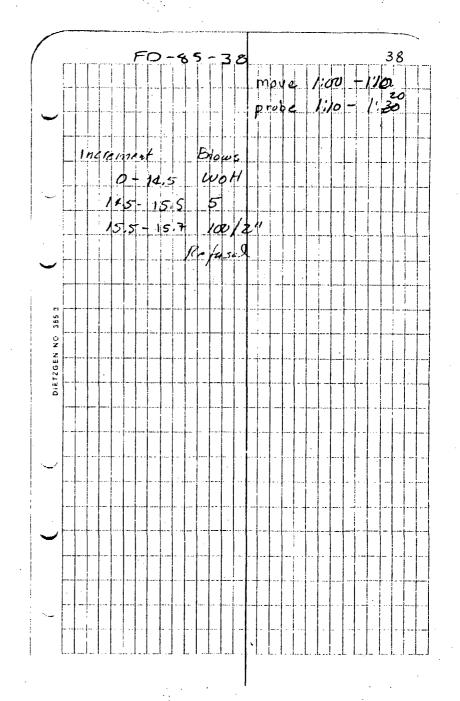


					
37	12/10/85		· N	255229	
			37 E	736880	
		e			
11.11-	Henry.	-5.18			
	272°25				
- d-	367			1967 - 1977	
			r> 1		
	VD		Rod		Elev.
<u>A</u>		3.67	1.0	92.53	2.5
<u>B</u>	13.5				7 2
		3.67	0.0	920 421	4.3
Ď	460				
Ε			- D	-	- 33.6
F			-3	# * * * * * * * * * * * * * * * * * * *	-8.3
9		Α	- Z		3.2
B'	-1.3				
Α'		C	В		5.0
ΔΑ		<u> </u>	A		-0.2
ne ne effectual ou de niferences on					1
	E=	A-TD-	B+DA		

	- 33	6 = -	33.5		
** *** ***	ļ				
	COAR.	עד	25.3		,



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	38	12/10/8	1		2 <i>55 236</i> 736929		
		Henry -					<u>_</u>
	н <u>4</u> -d-	265° 337	52.		~ , ,		_
	**************************************	סמ	НD	Rod	1/ 4. 93°21' 94°02'	Elev.	~
	A B	11,5	3.37	1.0	94502	-61	الريا
	C		3.37	0.0	92054	7.6	
	D	31.0		- D		- 23.4	
	F 4		1	-B -Z		-7,6 1.9	
		E	A-TO-		,		
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	A. OR 1979 11 SP N 1 1 2 3 10 0					no professione service de ser	
V		CORR	TO	15.8		· · · · · · · · ·	<u> </u>



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Pı	3.0		0.1	- 3	
			P 21		}
ρχ	1.0		PZZ		
<u>β</u> 3			P 23		
P4	-19,1		P24		
PS	-29.3		PZS		
P6	- 44.7		P 26	73.6	. R
P7	- 50.5		PZI	- 18.6	R
<i>P8</i>	-67.7	ـ ـ ـ ـ ـ ـ	PZ8	-26.5	. R
<u> 19</u>	-48,8	R	P29	- 29,0	. R
P10	- 27.3		P30	33.3	R
PII	- 35.0	.	P3L	- 33.2	
PIL	- 326		P3z	-31.9	R
P13	-256	R	P3.3	- 66,3	c
P14	- 256	_ K	P34	768.3	د
P15	- 22.5	R.	P 35	-65.7	ے ر
PIL	- 27.8	B	P36	- 43.Z	R
PIT	l	R		- 33.6	R
P18		R	·	- Z 3.4	R
P 19	- 67.0				-1
;	- 72.0	-			
		<u>:</u>			
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1.					

RADIAL STAKE DUT - REC.PT:				51	255,543.92	737_667.61
BACK	SIGHT			55	256,139.80	735,964.62
Ar.	257 56 11 SU	16 18 58	182.64	1	255,445.41	737,038.77
AP	261 18 13 St	19 33 00	152.14	2	255,409.55	737,016.70
AR	262 48 49 SU	21 11 36	201.89	3	255,355.69	736,994.62
骽	267 09 21 SM	25 32 08	281.74	4	255,289.70	736,946.16
æ	274, 44 24 Sti	33 07 11	312.70	5	255,282.83	736,896.75
æ	280 52 19 SM	39 15 B6	346.12	6	255,274.35	736,847.35
æ	285 49 35 54	11 12 22	386.77	?	255,2 6 6.67	736,797.99
R E	289 51 23 50	48 14 10	427, 78	₿	255,258.99	736,748.53
P r.	293 10 85 5U	51 32 52	470.53	9	255,251.31	736,699.13
GP	295 55 14 54	54 18 81	514.59	10	255,243.64	736,649.72
AK.	298 14 04 Sti	56 36 51	559,65	11	755,235.9 6	736,600.31
M C	300 12 03 S#	58 34 50	605,4 81	12	255,228.28	736,559.91
AP.	301 53 20 SU	6 0 16 07	651.93	13	255,220.60	736,501.50
A F	303 21 0 5 50	61 43 52	696,87	14	255,212.93	736,452,09
AR	304 37 44 SH	63 00 31	746.21	15	255,205.25	736,492.68
AF.	305 45 13 SU	64 68 99	793.87	16	2 55 ,19 7 . 57	736,353.28
₽₽	30£ 45 02 9U	65 07 49	841.88	17	255,189.89	736,303.87
fii.	307 30 23 5J	66 UT 18	8 89.97	18	255,182.22	736,254.46
AR	308 26 15 SU	66 49 82	938.32	19	255,174.54	735,205.06
RF	309 0 9 26 5 0	67 32 13	996.84	25	255,166,86	736,155.65
fik:	309 46 33 SU	68 11 20	1035.50	21	255,159.18	736,106.24
AR	365 46 00 SU	65 08 47	1023.81	22	255,113.61	736,138,62
RF	305 57 23 S↓	64 20 10	9 75.85	23	255,121.29	736,108.03
Rυ	305 03 46 SU	63 26 33	928,10	24	255,128.9 7	736,237,44
R F	304 64 20 SU	62 27 07	8 90.61	25	255 ,136.68	736,286.64
₽₽	302 58 09 S4	£ 1 20 5 6	833,40	26	25 5 ,14 4.32	736,336.25
fik.	301 44 04 SU	60 DE 51	786.55	27	255,152.0 €	736,385.66
R P	300 20 37 SU	58 4 3 24	740,10	28	255,159.6 8	73 6, 4 35.07
AR	298 40 04 SU	57 0 8 51	694.15	2 9	255,167.38	73£,4 94.47
RR	296 58 13 SU	55 21 8 8 -	648.80	30	255,176.01	735,533.8 8
AR	294 54 10 SU	53 17 6 5	604.19	31	255,182.71	736,583,29
H)	292 30 50 SU	50 53 37	5 60, 48	32	255,19 0.39	736,632.69
n R	289 43 27 SU	48 06 14	517.91	33	255,198.07	736,682.10
部	286 26 40 SU	44 49 27	476.79	34	255,205.75	786,731.51
A P	282 33 40 SU	40 58 27	437.52	35	255,213.42	736,7 8 8.91
fil.	277 SE 17 SU	36 19 04	40 0.65	36	25 5,221.10	736,638,32
88	272 25 23 S ¥	30 48 10	366.90	3 7	255,228.78	73 6, 8 79.73
βĒ	265 51 58 50	24 19 45	337.21	3 9	255,236.46	738,929,14
A P	291 46 40 SU	50 11 27	500, 41	41	255,223.54	736,683.20
NP	305 54 45 50	64 17 32	867.25	42	255,159,05	735, 268, 11